



generating confidence

maxlogic & mavigard
fire and gas detection systems

MISSION
MANUFACTURING
INNOVATION
CONFIDENCE
DEVELOPMENT
QUALITY

Mavili Elektronik, which develops products and services in the field of fire and gas detection systems, offers its products which are produced in accordance with international standards and approved by accredited organizations for use in Turkey and more than **70 countries worldwide**, since 1987.

The company, which uses today's technology at the most advanced level by producing innovative and user-friendly solutions for integration with smart building technologies, is the solution partner of many leading brands in the fields of **CCTV, IP Camera, VMS/PSIM, Access Control, BMS**.

Mavili carries out its meticulous design works for different place types, from shopping centers to airports, from large hotel chains to complex living spaces, hospitals, universities, and risky structures such as industrial facilities, with **Maxlogic & Mavigard** brand fire alarm systems.

The company, which demonstrates its experience in standards and regulations both while developing the product and applying it in the field, has a wide range of products, including software that provides monitoring and control from a single center.

While Mavili develops fire and gas detection systems, which are extremely important for ensuring the safety of life and property; It brings together the knowledge of its expert staff, industry experience and the importance it attaches to product development that meets customer needs.

With its factories in Umraniye and Gebze, seven regional directorates Mavili aims to be with the customer at all times, both before and after sales, and continues to serve this sector with its staff of more than **250** employees.

mavili



Certificates and Licenses

- * The **ISO 9001:2015** Quality Management System of Mavili Elektronik A.S has been audited and conformed by **LPCB** (Loss Prevention Certification Board) / ENGLAND.
- * Our Fire Detection and Alarm System products were **EN 54** and **CPR** certified by **LPCB** and **Dedal**, thus approving our quality by internationally accredited institutions.
- * **TS EN ISO / IEC 27001: 2017** Information Security Management System that we are implementing, inspected by by VeriCert Belgelendirme ve Gözetim Hizmetleri Ltd. Şti." and its compliance has been documented with **TS EN ISO / IEC 27001: 2017** certificate.
- * TSE / TURKEY (Turkish Standards Institute) entitled us to get **TS EN 54** certificates for Intelligent Addressable and Conventional Fire Alarm System products, **TS EN 50194** certificate for our gas detectors.
- * OUR SERVICES are awarded with **TS 12849** for Place of Service and Sales Service Qualification certificate.
- * Our marine type products have **Turkish Lloyd** (SOLAS 74, FSS) and **MED** (WHEELMARK) certificates.
- * We were entitled to receive the **Zero Waste** Certificate for our Gebze factory.
- * Our products have Licenses for Usage from Ministries of many countries.



Company Presentation
Certificates and Licenses



References



Intelligent Addressable
Fire Detection and Alarm Systems



Beam Type Smoke Detectors



Conventional Fire Detection
and Alarm Systems



GD2R Series Gas Detector,
Conventional Gas Alarm
Control Panel



Gas Alarm Control Panel,
4 Channel



Conventional Fire
Extinguishing Control Panel



LLOYD Certified Marine Type
Fire Alarm Control System

References



More than **100.000** buildings around the world are protected by **Maxlogic & Mavigard** fire and gas detection systems.

Continental Brand
South Africa



Malta
The Quad Towers



Georgia House of Justice



Eco Bank Towers
Nairobi / Kenya



Ksa Alhilad Bank Projesi





Smart Solutions for Buildings...

Intelligent Addressable Fire Detection And Fire Systems

With its VIP communication protocol and microprocessor-controlled design, Maxlogic & Mavigard intelligent addressable fire detection and alarm systems, which have superior and stable operating performance, ease of installation and operation, offer suitable solutions for projects with variable features.

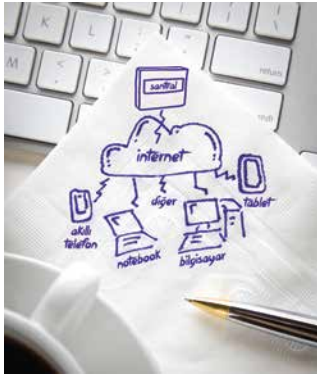
- ▶ Protection from electromagnetic interference
- ▶ 'Soft' addressable by use of address programmer
- ▶ User friendly
- ▶ Programmable remote control inputs
- ▶ Addressable detectors, call points, loop-powered addressable sounder interface modules (monitor and control modules) and analogue addressable gas detectors can be programmed, in order to operate in cause-effect scenarios and the fire automation can be built in this manner.
- ▶ LCD with 260x64 adjustable blue backlight indicates fire alarm, fault and other information in details
- ▶ Day and night mode, pre alarm, contamination warning
- ▶ Top priority of fire alarm indication, different buttons for fire and other events, categorical classification of events
- ▶ All outputs have silenceable/non-silenceable and latching/non-latching and options
- ▶ Supervised sounder, fire relay, alarm relay and fault relay outputs
- ▶ Possibility to select event types and create user-defined event types for all input and output devices.
- ▶ Monitoring and controlling the desired building control and automation systems within automation with programmable field control modules.
- ▶ Easy programming of control and connected input-output devices with Loop manager software.
- ▶ With the SPRVSR+ software, it is possible to remotely monitor and control the panels, either wired or wirelessly without distance restrictions.

Intelligent addressable detectors, call point and field control modules that make up the system can be programmed based on cause/effect logic and can respond to wide-ranging fire scenarios. Within the scope of the **fire scenario**, the following functions and much more can be performed by the system in a complete and error-free manner.

- ▶ Stopping ventilation panels in related zone in the building
- ▶ Operating emergency announce system
- ▶ Operating emergency announce system
- ▶ Commanding fire / smoke dampers
- ▶ Closing of protective doors between various fire zones
- ▶ Operating pressurization fans that located in main ladder hall and fire ladder
- ▶ Routing elevator to related doors
- ▶ Activation of the central emergency lighting system
- ▶ Activation of the gas cut-off system
- ▶ Activation of extinguishing systems
- ▶ Sending voice mail, SMS or e-mail, alarm and fault signals to the nearest fire lighter panel and other authorized units



Maxlogic series smart addressable fire alarm control panels can operate as a network over **fiber optic** cable infrastructure. The communication between the fire stations operating as a network is made with the industrial-based **CAN** communication protocol, which prevents data loss.



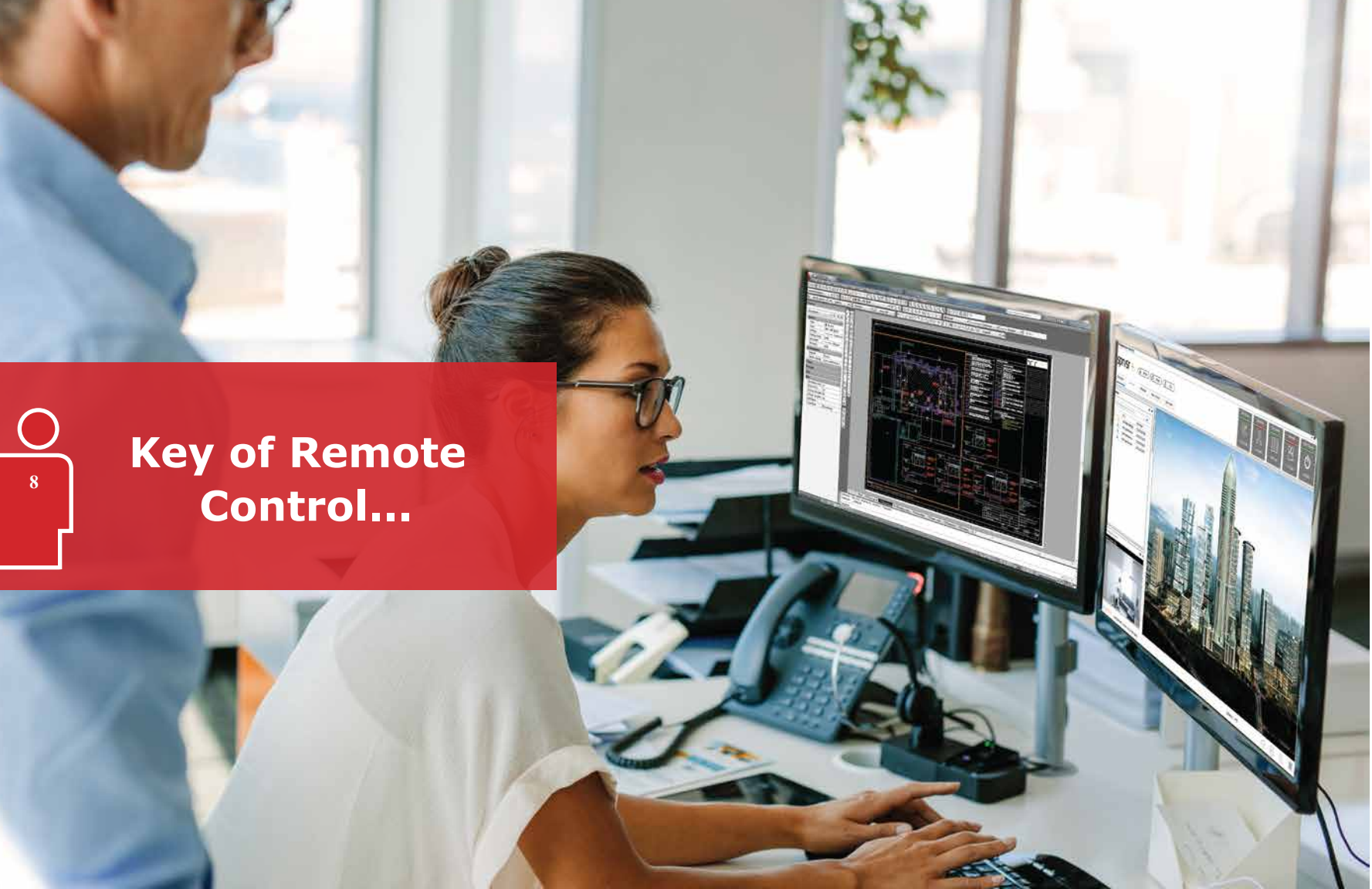
- ▶ Up to 64 panels could work together with network structure
- ▶ Fire alarm, fault and similar events occurring in any control panel can be viewed and controlled from other control panels.
- ▶ Based on cause/effect logic; defining at least 1000 different scenarios for each control panel and up to **64,000** different scenarios within the network.
- ▶ Compatibility with **Modbus** or **BACnet** protocols providing direct information exchange with other building control and automation systems.

4 different methods are used to provide access to remote monitoring and control of the fire detection and alarm system.

- ▶ For short distance with cable, RS-232 communication module
- ▶ For long distance with cable, RS-232 communication module
- ▶ TCP/IP communication protocol for remote access over LAN, WAN and internet
- ▶ GPRS communication protocol for remote access over the internet using GPRS infrastructure



- ▶ In the event of a fire or an emergency, it is ensured that authorized persons can make live **announcements** through the announcement system integrated with the intelligent addressable fire detection system.
- ▶ The voice evacuation recordings of the existing announcement system in the building where the fire detection systems will be installed can be activated automatically within the scope of the building's fire scenario.
- ▶ In the event of a fire or emergency, it is possible to communicate securely and uninterruptedly from the security center of authorized persons, with smart addressable fire alarm control panels and portable or fixed field **phones** placed at strategic points in the field.



Key of Remote Control...

SPRVSR+ Graphical Monitoring and Management Software

SPRVSR+; Maxlogic is a user-friendly software developed for graphical remote monitoring and management of addressable systems and other systems. It provides various methods for analysis with event filters by keeping records of all events (fires, faults, user interventions, etc.) related to the fire alarm system. **SPRVSR+** software is software integrated with framework software and Building Management Systems (BMS).

- ▶ -At the time of the event; the type of event, date, time, etc. Instant or daily reporting containing information can be sent via SMS or e-mail.
- ▶ 1000 networks can be monitored, each consisting of 64 Control Panels.
- ▶ Provides options for viewing, saving, and printing an event record.
- ▶ Allows devices to be controlled manually via the map.
- ▶ In case of fire and error; Remote computers via LAN, WAN or internet, where the IP address is defined, automatically or a manual warning message can be sent.
- ▶ With the "Easy Display" screen in the **SPRVSR+** program, control operations such as ease of follow-up, creating reminders, database backup and restore can be performed.
- ▶ Detector contamination control can be activated/deactivated. Measurement periods can be determined for the contamination monitoring of the detectors.
- ▶ By using the simulation option, it is possible to control the maps, devices and system operation with an unreal fire event.

Multi Monitoring

Contamination
Control

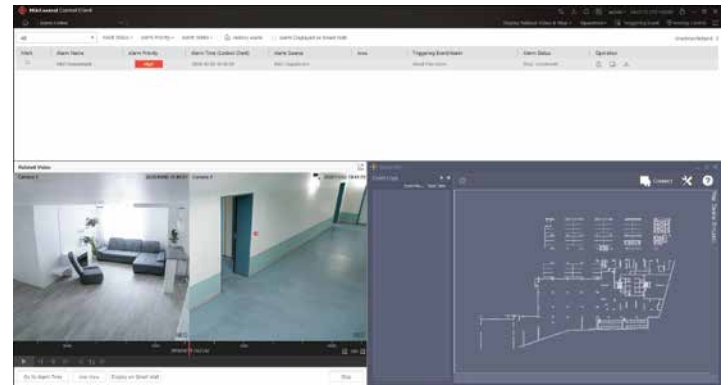
SMS/E-mail
Notification

IP Camera
Integration



The development of technology has facilitated the construction of large and complex structures, and it has led to the need to manage different mechanical and electronic systems such as elevators, security cameras, card passes in these buildings from a single center. Open platforms that offer solutions to this need have increased their importance with the technology partnership of expert companies.

Mavili's **BMS (Building Management System)**, **VMS (Video Management System)** etc. Integration with smart technology product framework software is preferred to prevent increasing security risks in such places. There are world-renowned solution partners that provide ease of monitoring/management and time savings to the user by bringing together the multi-management of the systems on a single platform. Maxlogic **SPRVSR+** Graphical Monitoring and Management Software integrates with "Plug-In" level framework software, providing a progressive and safe solution for fire protection of spaces.

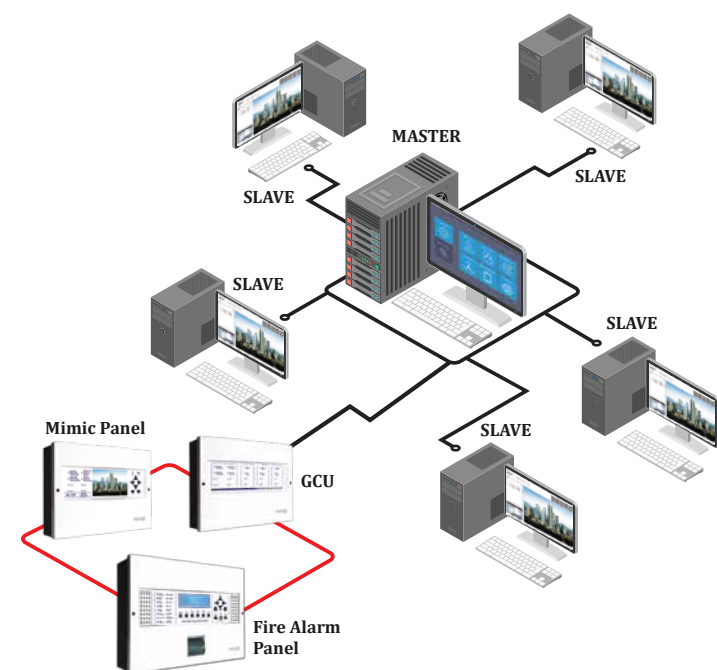


With **Android / IOS** software, the user does not need to be at the computer to control and monitor the fire alarm system.

SPRVSR+ Software Features

SPRVSR+ Master - Slave Functioning

- There must be at least one Sprvsr+ master in the system in order to perform important operations such as starting connections with all GCUs from a single channel and to perform remote control and control operations.
- While operations such as communication, monitoring and control with all GCU connections can be done on the computer with the Master Sprvsr+ software, monitoring and some restricted control operations can be done on the computer with the Slave Sprvsr+ software installed.
- In situations requiring intervention, Silence Alarm, Alarm etc. commands can also be sent via Sprvsr+.
- Maxlogic Sprvsr+ Graphical Monitoring and Management Software; Maxlogic addressed panels are point-based, and other brands of panels are panel-based; It allows remote monitoring, control and storage of event logs.



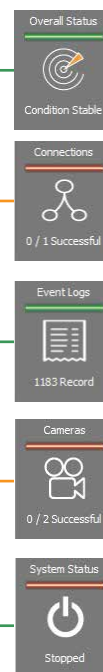
Overall Status: It shows the events of fire, fault etc. in the fire alarm system in detail.

Connections: It shows the connection status of the modules connected to the panel.

Event Logs: It shows the events of fire, fault etc. in the fire alarm system.

Cameras: It shows the connection status of the cameras connected with the devices in the fire alarm system.

System Status: It shows the monitoring status of the fire alarm system has started or not.





Each fire alarm control panel; working as one or as network can be accessed and monitored from 16 different locations from the same or different communication modules.



To city information...



In case of fire and fault; geographical location where the event occurred, building and floor information, floor plans and device details can be monitored easily.



City details to address information...



Address details to building information...



Building details to floor plans and the devices in alarm are monitored.



The control and monitoring operations related fire detection system can be performed remotely via Sprvsr+.



Device Information
 Network Address: 3
 Panel Address: 1
 Loop Address: 1
 Device Address: 123
 Zone: 4
 Device Type: ML-9100.00
 Device Description: Optical Smoke Detector
 Location Information: Location Information 123
 Its Map: 1st Floor

CLOSE

Fire, error and the other events can be grouped based on event profile. By the help of this feature e-mail can be sent to the predetermined **e-mail** addresses.



With **ONVIF** integration, fire detection system can be software integrated and operates with all **ONVIF** based security systems.

SPRVSR+ MODELS

Product Code	Description
ML-1633.1.01	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software for Single Panel
ML-1633.1.02	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 2 panels
ML-1633.1.04	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 4 panels
ML-1633.1.08	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 8 panels
ML-1633.1.16	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 16 panels
ML-1633.1.32	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 32 panels
ML-1633.1.64	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 64 panels
ML-1633.1.128	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 128 panels
ML-1633.1.256	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 256 panels
ML-1633.1.512	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 512 panels
ML-1633.1.1024	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 1024 panels
ML-1633.1.2048	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 2048 panels
ML-1633.1.4096	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 4096 panels
ML-1633.1.8192	Maxlogic SPRVSR+ Master Graphic Monitoring and Managing Software using cost for 8192 panels
ML-1633.2.01	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for single panel
ML-1633.2.02	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 2 panels
ML-1633.2.04	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 4 panels
ML-1633.2.08	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 8 panels

SPRVSR+ MODELS

Product Code	Description
ML-1633.2.16	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 16 panels
ML-1633.2.32	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 32 panels
ML-1633.2.64	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 64 panels
ML-1633.2.128	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 128 panels
ML-1633.2.256	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 256 panels
ML-1633.2.512	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 512 panels
ML-1633.2.1024	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 1024 panels
ML-1633.2.2048	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 2048 panels
ML-1633.2.4096	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 4096 panels
ML-1633.2.8192	Maxlogic SPRVSR+ Slave Graphic Monitoring and Managing Software using cost for 8192 panels
ML-1636.1	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, HikCentral Integration
ML-1636.2	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, VideoXpert Integration
ML-1636.3	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, XProtect Integration
ML-1636.4	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Nx Witness Integration
ML-1636.5	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Seetec Qoqny Integration
ML-1636.6	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Mirsad Integration
ML-1636.7	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Wisenet Wave Integration
ML-1636.8	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Cayuga Integration
ML-1636.9	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, ISIM Integration
ML-1636.10	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Axon Next Integration
ML-1636.11	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Avigilon Control Center Integration
ML-1636.12	Maxlogic SPRVSR+ Plug-In Graphical Monitoring Software Using cost, Cathexis Integration

IOS MODELS

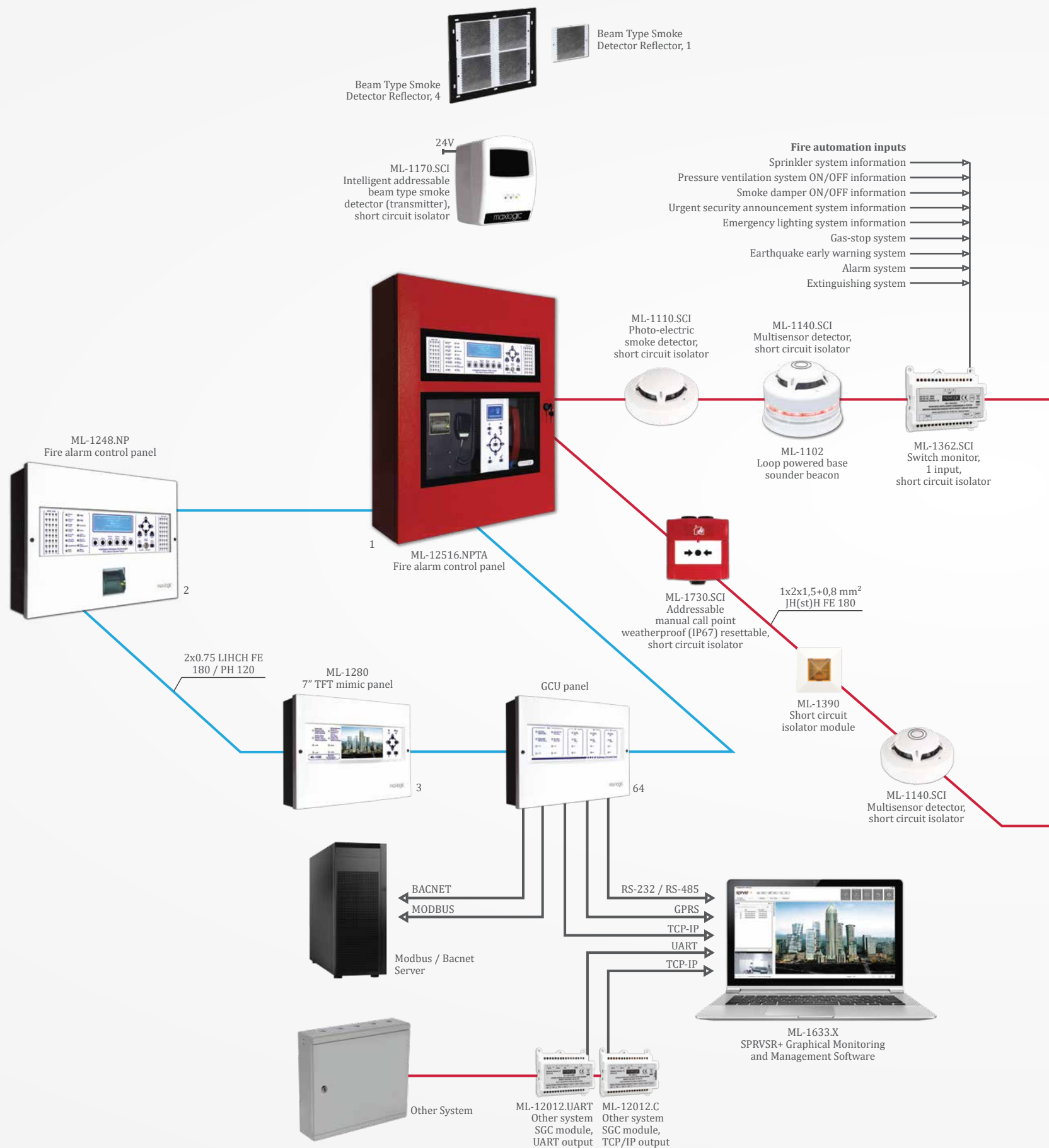
Product Code	Description
ML-1635.1	Maxlogic SPRVSR+ Graphical Monitoring and Control IOS Software using cost, 1 user
ML-1635.5	Maxlogic SPRVSR+ Graphical Monitoring and Control IOS Software using cost, 5 user
ML-1635.10	Maxlogic SPRVSR+ Graphical Monitoring and Control IOS Software using cost, 10 user

ANDROID MODELS

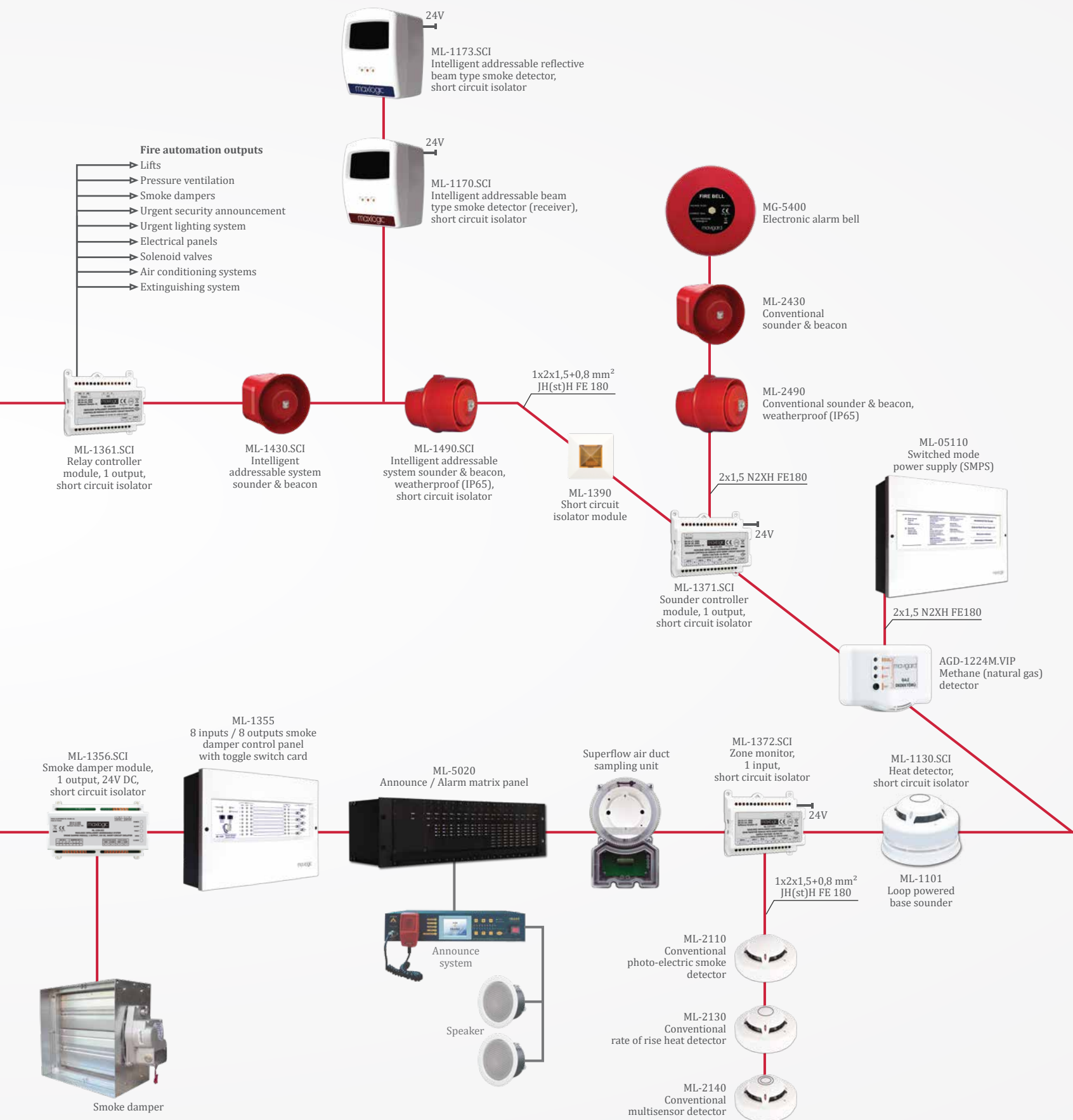
Product Code	Description
ML-1634.1	Maxlogic SPRVSR+ Graphical Monitoring and Control Android Software using cost, 1 user
ML-1634.5	Maxlogic SPRVSR+ Graphical Monitoring and Control Android Software using cost, 5 user
ML-1634.10	Maxlogic SPRVSR+ Graphical Monitoring and Control Android Software using cost, 10 user

DONGLE MODELS

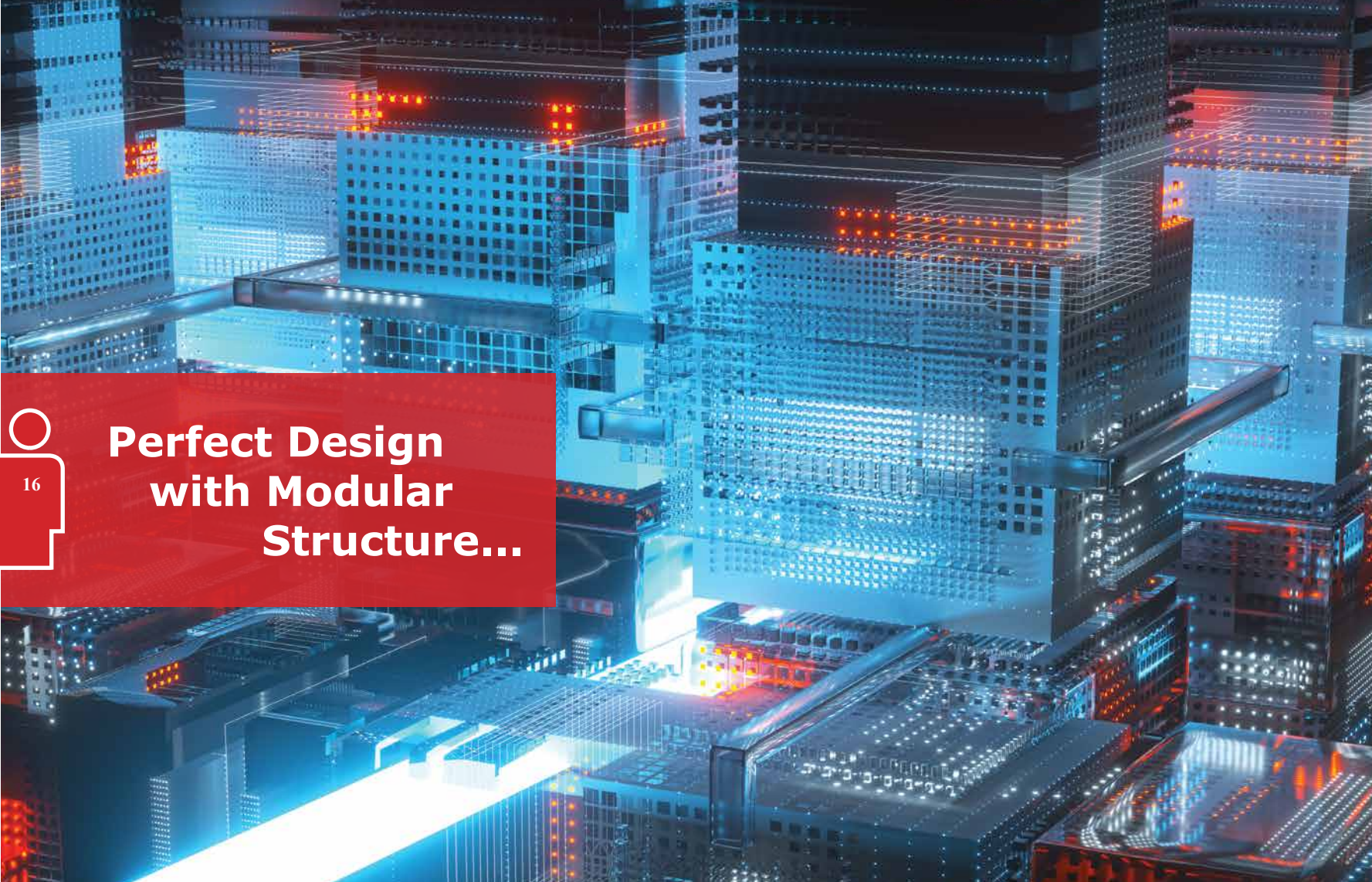
Product Code	Description
ML-1661.1	Maxlogic SPRVSR+ Master USB Dongle
ML-1661.2	Maxlogic SPRVSR+ Slave USB Dongle
ML-1661.3.1	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, HikCentral Authorization
ML-1661.3.2	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, VideoXpert Authorization
ML-1661.3.3	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, XProtect Authorization
ML-1661.3.4	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Nx Witness Authorization
ML-1661.3.5	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Seetec Qoqny Authorization
ML-1661.3.6	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Mirsad Authorization
ML-1661.3.7	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Wisenet Wave Authorization
ML-1661.3.8	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Cayuga Authorization
ML-1661.3.9	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, ISIM Authorization
ML-1661.3.10	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Axon Next Authorization
ML-1661.3.11	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Avigilon Control Center Authorization
ML-1661.3.12	Maxlogic SPRVSR+ Plug-In USB Dongle using cost, Cathexis Authorization



- ▶ Up to 64 panels and/or repeater panels can be assembled with CAN protocol into a network.
- ▶ By the help of this feature, Maxlogic & Mavigard system is used easily in big buildings, hospitals, universities etc. projects.
- ▶ Max. 130.048 devices can be used in Maxlogic Addressable Fire Detection System.



- Events can be monitored from any panel in Network.
- Controlling all other panels from any panel.
- Creating cause-effect scenarios between devices that is connected to panels in network.



**Perfect Design
with Modular
Structure...**

Maxlogic Intelligent Addressable Fire Alarm Control Panels

ML-125XX series Maxlogic Intelligent Addressable Fire Alarm Control Panels provides user-friendly appropriate solutions for the needs of the location with their Network, Printer, Telephone and Announcement module features.



- ▶ Surface mount technology (SMT)
- ▶ Protection from electromagnetic interference
- ▶ Real time clock

ML-12516
Maxlogic Intelligent
Analogue Addressable System
Fire Alarm Control Panel,
16 Loops, 2032 Address



ML-12516.NPTA
Maxlogic Intelligent Analogue
Addressable System Fire Alarm
Control Panel, 16 Loops, 2032
Address, Network, Printer, Tel. PA.

- Compatible with EN 54-2 and EN 54-4
- Expandable loops up to 16 loops, max. 2032 address capacity for each panel

Network Module

With the network module, 64 control panels can operate as a network, so that events such as fire alarm, fault and similar events occurring in any control panel can be viewed from other control panel and controlled (silence alarm, silence buzzer, reset, etc.).

Printer Module

Event logs can be printed instantaneously or collectively by the printer module. Since the printer is thermal type, running out of ink is no longer a problem.

Telephone Module

In case of fire or emergency events, communication can be provided between security center, firefighter's telephones and telephones on the other panels via firefighter's telephone control unit.

Announce Module

In case of fire and emergency events, Announce module can be integrated to all kinds of present announce systems (all brands and models) via alarm announce matrix panel, it provides to live announcement to determined areas via panel.

Telephone / Announce Control Unit

The use of telephone module and public announce module over the panel is realized with the LCD designed control unit.

PANEL MODELS

Product Code	Loop	Address	Product Code	Loop	Address
ML-1250.N	0	0	ML-1259	9	1143
ML-1251	1	127	ML-12510	10	1270
ML-1252	2	254	ML-12511	11	1397
ML-1253	3	381	ML-12512	12	1524
ML-1254	4	508	ML-12513	13	1651
ML-1255	5	635	ML-12514	14	1778
ML-1256	6	762	ML-12515	15	1905
ML-1257	7	889	ML-12516	16	2032
ML-1258	8	1016			

PANEL MODELS

Product Code	Loop	Address	Product Code	Loop	Address
ML-1250.NPTA	0	0	ML-1259.NPTA	9	1143
ML-1251.NPTA	1	127	ML-12510.NPTA	10	1270
ML-1252.NPTA	2	254	ML-12511.NPTA	11	1397
ML-1253.NPTA	3	381	ML-12512.NPTA	12	1524
ML-1254.NPTA	4	508	ML-12513.NPTA	13	1651
ML-1255.NPTA	5	635	ML-12514.NPTA	14	1778
ML-1256.NPTA	6	762	ML-12515.NPTA	15	1905
ML-1257.NPTA	7	889	ML-12516.NPTA	16	2032
ML-1258.NPTA	8	1016			

MODULE MODELS

Product Code	Description
ML-1201	Maxlogic Intelligent Addressable System Network Module
ML-1203	Maxlogic Intelligent Addressable System Printer Module
ML-1204	Maxlogic Intelligent Addressable System Telephone Module
ML-1205	Maxlogic Intelligent Addressable System Announcement Module
ML-1208	Maxlogic Intelligent Addressable System Telephone / Announcement Control Module
ML-1209	Maxlogic Intelligent Addressable System ML-125XX Printer Module

**Simple
and
Functional...**

Maxlogic Intelligent Addressable Fire Alarm Control Panels

Maxlogic series fire alarm control panels which have aesthetic design and user friendly features, offering high performance by the VIP communication protocol.



ML-1248.P
Maxlogic Intelligent Analogue
Addressable System Fire Alarm Control
Panel, 8 Loops, 1016 Address, Printer

- Compatible with EN 54-2 and EN 54-4
- Expandable up to 8 loops, max. 1016 addresses capacity for each panel.
- Event logs can be printed instantly or collectively by the printer module.



ML-1238
Maxlogic Intelligent Analogue
Addressable System Fire Alarm
Control Panel, 8 Loops, 1016 Address

- Compatible with EN 54-2 and EN 54-4
- Expandable up to 8 loops, max 1016 address capacity of each panels
- Real time clock

- Surface mount technology
- The key is needed for entry to panel menu
- Protection from electromagnetic interference
- Supervised peripheral devices, extension cards (power supply, loop extensions, printer..)
- 4 programmable supervised remote control inputs
- Input/output modules can be connected to panel
- 1000 event log and programmable zones memory
- User friendly and aesthetic design and easy installation
- Advanced parametric arrangement options for input/output devices
- Top priority of fire alarm indication, different buttons for fire and other events, categorical classification due to events
- Communication interrupt for fast fire detection in 1.5 sec
- 1000 automation scenarios can be created for each panel
- Up to 64 panels and/or repeater panels can be assembled with CAN protocol
- Day and night mode, pre-alarm, contamination warning into a network

PANEL MODELS

Product code	Loop	Address
ML-1230.N	0	0
ML-1231	1	127
ML-1232	2	254
ML-1233	3	381
ML-1234	4	508
ML-1235	5	635
ML-1236	6	762
ML-1237	7	889
ML-1238	8	1016

PANEL MODELS

Product code	Loop	Address
ML-1240.N	0	0
ML-1241.P	1	127
ML-1242.P	2	254
ML-1243.P	3	381
ML-1244.P	4	508
ML-1245.P	5	635
ML-1246.P	6	762
ML-1247.P	7	889
ML-1248.P	8	1016

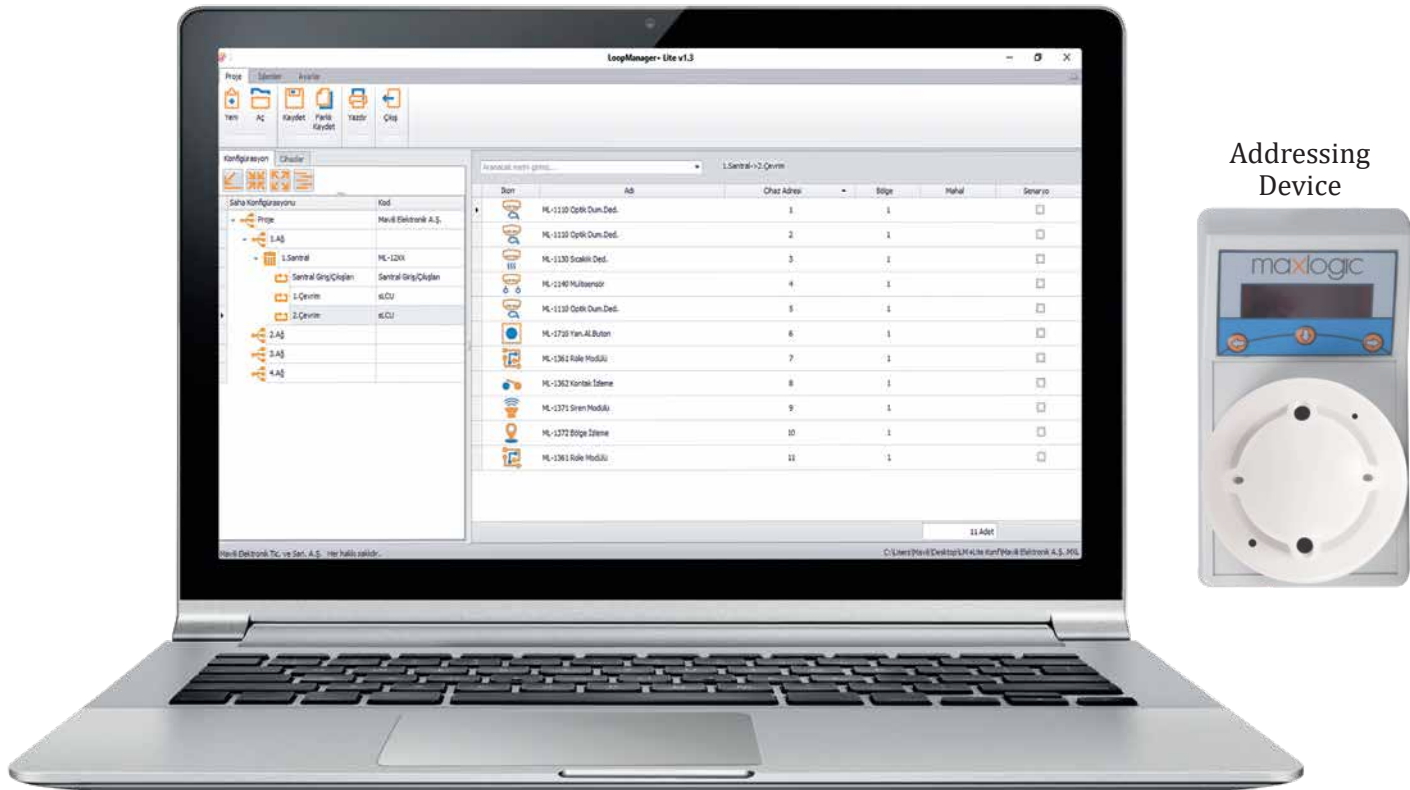
**Service is in your
authorization...**

ML-122X Series Maxlogic Intelligent Addressable Fire Alarm Control Panels

In ML-122X series intelligent addressable panel and system; detectors, manual call points, loop-powered sounders, intelligent addressable loop-powered base sounder/sounder beacon, zone control modules and gas detectors can be programmed to work in cause&effect scenarios and fire automation can be done.



- ▶ Complies with EN 54-2 and EN 54-4 standards
- ▶ Supervised peripheral devices
- ▶ Advanced parametric arrangement options for input/output devices
- ▶ Top priority of fire alarm indication, different buttons for fire and other events, categorical classification due to events
- ▶ 1000 event log and 64 programmable zones memory
- ▶ Expandable up to 2 loops and 254 address capacity with modular structure



Addressing
Device

Commissioning, Service and Maintenance Authorization for ML-122X Series

With Maxlogic intelligent addressable system ML-122X series fire alarm control panels, configuration software (LoopManager+ Lite) and **Addressing Device**, you can easily commission, service and maintain.

- ▶ 4 different languages option (Turkish, English, Russian, French)
- ▶ User friendly, easy installation and use with aesthetic design
- ▶ Communication interrupt for fast fire detection in 1.5 sec
- ▶ The key is needed for entry to panel menu
- ▶ Day and night mode, pre-alarm, contamination warning

PANEL MODELS

Product Code	Description
ML-1221	Maxlogic Intelligent Analogue Addressable Fire Alarm Control Panel, 1 Loop, 127 Address
ML-1222	Maxlogic Intelligent Analogue Addressable Fire Alarm Control Panel, 2 Loops, 254 Address

ACCESSORIES & OPTIONS

Product Code	Description
ML-1613.1	Maxlogic Intelligent Addressable System LoopManager+ Lite Software Using cost (Including Converter and Communication Cable)
ML-1010	Maxlogic address programmer

Graphic Monitoring and Control...



7" TFT Mimic Panel

Within the Maxlogic Intelligent Addressable Fire Detection and Alarm System, the 7" TFT Mimic Panel is connected to the network line formed by the control panels like a repeater, according to the map configuration entered by the user before; It can graphically display the location of the fire event and allows commands such as "Reset", "Alarm", "Silence Alarm" to be sent to the control panels connected to the network.

- ▶ Mimic Manager Software for easy programming via PC
- ▶ Integration of building projects into the ML-1280 7" TFT Mimic Panel via SD card
- ▶ Possible monitoring fire events graphically via Mimic Manager software
- ▶ Layered monitoring for each device
- ▶ Several display data for each device



Ability to monitor graphically for all Maxlogic fire alarm system small site and big site applications. 7" TFT Mimic Panel contains stylish exterior design and Surface Mount Technology (SMT) production techniques.

- ▶ Automatic or manual navigation between the maps in case of fire
- ▶ Possible sending information Alarm / Alarm Silence / Reset to all panels in network
- ▶ Visual fire location information via 7" TFT screen
- ▶ Intervention to right place
- ▶ Quick intervention

PANEL MODELS

Product Code	Description
ML-1280	Maxlogic Intelligent Addressable System 7" TFT Mimic Panel

ACCESSORIES AND OPTIONS

Product Code	Description
ML-1621	ML-1280 7" TFT Mimic Panel Software using cost (Communication Cable and Converter included)

Perfect Software Communication...

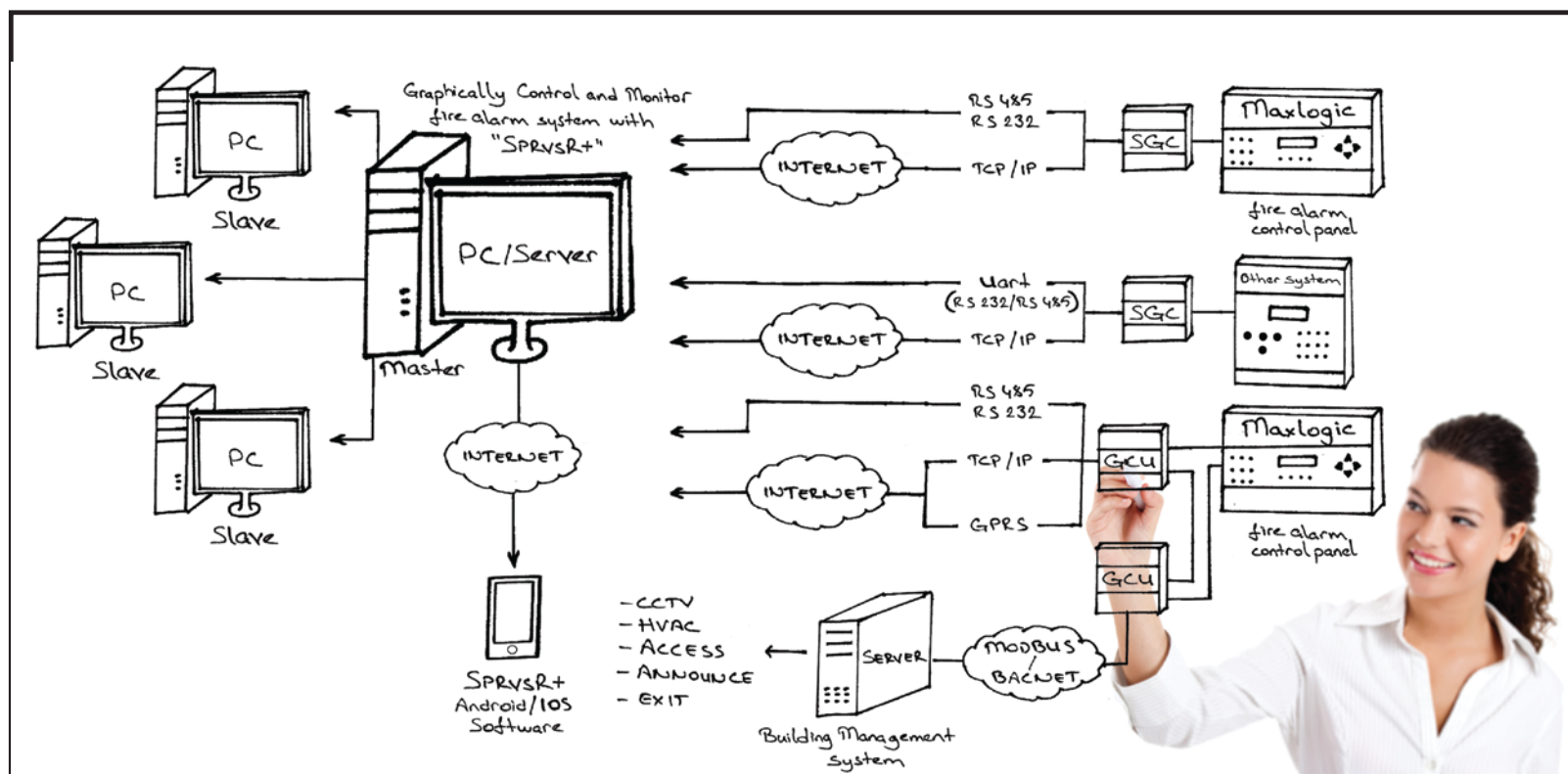
Intelligent Addressable System GCU Panel

Maxlogic Intelligent Addressable System GCU Panel provides superior and stable operation performance with VIP communication protocol, enabling multiple fire alarm control panels running alone or in a network to communicate with Maxlogic SPRVSR+ Software and/or building management systems.



ML-1207.CGK
Maxlogic Intelligent Addressable
System GCU Panel, TCP/IP, GPRS,
RS232/RS485 modules included

- ▶ For the communication with SPRVSR+, GCU panel uses RS-232, RS-485 for close access, IP based communication like GPRS and TCP/IP communication modules for longer distance.
- ▶ Interaction to building management systems via Modbus/Bacnet protocol.
- ▶ Connecting options of advanced modular structure with up to 16 expandable communication modules.
- ▶ GCU uses the same network with up to 63 panels.
- ▶ Through back-up working based structure, uninterrupted communication is provided.



Intelligent Addressable System Communication

SGC Module is designed to monitor and control other systems (Maxlogic series intelligent addressable systems are excluded).

4 inputs ("System Fault", "Alert", "Fault", "Fire") and 4 outputs ("Alarm Silence", "Reset", "Alarm", "Evacuation") for monitoring and controlling via SPRVSR+

With UART connection cable for short distance access, with TCP/IP via internet for long distance TCP/IP can be connected to SPRVSR+

Through advanced redundancy structure ensure reliable and continuous communication

SPRVSR+ Android software enables monitoring and control of fire alarm system without the user's need to be at the computer



ML-12012.C
Maxlogic other systems
SGC module TCP/IP output

GCU PANEL MODELS

Product Code Description

ML-1207.K	Maxlogic Intelligent Addressable System GCU Panel, RS232/RS485 module included
ML-1207.C	Maxlogic Intelligent Addressable System GCU Panel, TCP/IP module included
ML-1207.G	Maxlogic Intelligent Addressable System GCU Panel, GPRS module included
ML-1207.MX	Maxlogic Intelligent Addressable System GCU Panel, Modbus module included
ML-1207.B	Maxlogic Intelligent Addressable System GCU Panel, BACnet module included
ML-1207.CGK	Maxlogic Intelligent Addressable System GCU Panel, TCP/IP, GPRS, RS232/RS485 modules included

GCU MODULE MODELS

Product Code Description

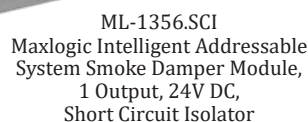
MLY-1207.B	Maxlogic Intelligent Addressable System GCU Bacnet Module
MLY-1207.C	Maxlogic Intelligent Addressable System TCP/IP Module
MLY-1207.G	Maxlogic Intelligent Addressable System GRPRS Module, Quad Module and Antenna included, complete
MLY-1207.GCU	Maxlogic GCU Module Spare Part, GCU Mainboard
MLY-1207.K	Maxlogic Intelligent Addressable System RS232/RS485 Module
MLY-1207.MX	Maxlogic Intelligent Addressable System GCU Modbus Module

SGC MODELS

Product Code Description

ML-12011.KU	Maxlogic Intelligent Addressable System & Supervisor Communication SGC Module, with RS-232 output
ML-12011.KB	Maxlogic Intelligent Addressable System & Supervisor Communication SGC Module, with RS-485 output
ML-12011.C	Maxlogic Intelligent Addressable System & Supervisor Communication SGC Module, with TCP/IP output
ML-12012.UART	Maxlogic Other Systems & Supervisor Communication SGC Module, with UART output (cable included)
ML-12012.C	Maxlogic Other Systems & Supervisor Communication SGC Module, with TCP/IP output

Developed by Mavili Electronics, Smoke Damper Module provides optimum and integrated operation of ventilation systems and fire alarm systems. Maxlogic Smoke Damper Module eliminates the need to manage a smoke damper with **multiple relays and switch monitoring modules**. Maxlogic Smoke Damper Module can perform multiple tasks with a single address in intelligent addressable fire alarm systems.



- ▶ Comply to EN 54-18, models with short circuit isolators comply with EN 54-17 standards.
- ▶ 220V AC, 24V DC and 24V AC operating voltage options to suitable for all smoke dampers
- ▶ On / Off buttons for manually opening and closing the damper, On / Off inputs for switching on and off with remote control
- ▶ Open / Short circuit monitoring of damper remote control inputs
- ▶ Damper Fault shows when opening the damper module cover as designed
- ▶ Damper output line, remote control input, position monitoring input, detection of open / short circuit faults
- ▶ Open, Closed and Damper Fault locations of the dampers can be seen from the panel event logs and the screen of the panel
- ▶ Damper opening and closing times can be set to 30, 60, 120, 240 seconds, for Position Monitoring inputs

- LEDs that give the operating information of the module: Green LED for power, Yellow LED for fault, Red LED for alarm, green LED lighting up continuously when damper is open or close (green led flashing when damper is opened/closed)

Smoke Damper Control Panels

Smoke damper control panels are designed for monitoring and controlling smoke dampers at the same time. It can be programmed to work within the scope of the fire scenario and fire automation can be performed.

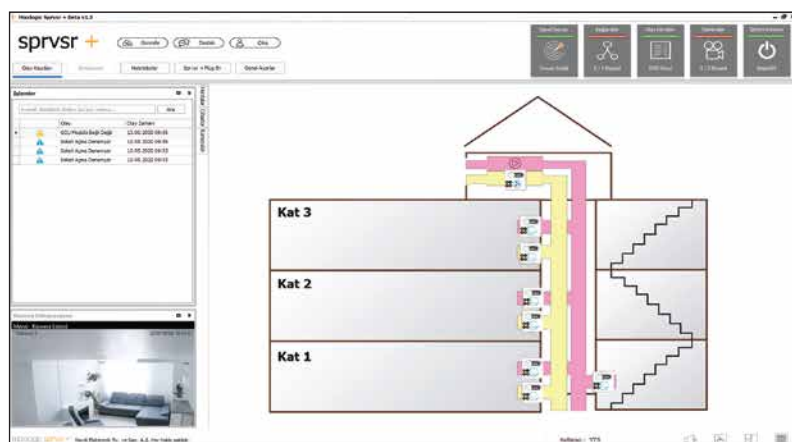


ML-1354
Maxlogic Intelligent Addressable
System Smoke Damper Control
Panel, 16 way I/O module

ML-1355
Maxlogic Intelligent Addressable
System Smoke Damper Control Panel
with Toggle switch, 16 way I/O module

- Compatible with EN 54-4 and EN 54-18 standards.
- With the position information received from the smoke dampers, Open / Closed / Fault conditions can be displayed with LED indicators.
- The 5 degree position of the position switch indicates "OFF STATUS" and the 85 degree position indicates "ON STATUS".
- Easily programmable with loop manager software
- In all cases except the Closed or Open status of the dampers; At the end of the timeout period that can be determined by the user, an error message can be given with the LED indicator.
- The intelligent addressable smoke damper control panel can be controlled automatically by the Supervisor Enterprise software or manually by the user.

Smoke Damper Control with Sprvsr+ Software



- Damper Fault can be seen on the screen if the damper that does not change position within the delay time
- Controlling damper motors with one address and monitoring position switches
- Monitoring of Open, Closed and Damper Fault positions of Smoke Dampers
- Open / Closed commands can be send to Smoke Dampers
- Smoke Dampers can be monitored for "Fault" conditions
- Loop Manager+ software configuration can provide module Zone Numbers and Location Information
- Inclusion of scenarios to enable Smoke Dampers to be opened and smoke evacuation at the location of a fire. Also, the Smoke Dampers can be turned off in other rooms connected to the channel to prevent smoke from entering other rooms.
- Scenario to prevent the entry of smoke into escape routes such as stairs by operating the Pressurized Damper in case of fire
- If required for security reasons, 1st Level and 2nd Level D

PANEL MODELS

Product Code Description

ML-1353	Maxlogic Intelligent Addressable System 16 way I/O Panel
ML-1354	Maxlogic Intelligent Addressable System Smoke Damper Control Panel, 16 way I/O module
ML-1355	Maxlogic Intelligent Addressable System Smoke Damper Control Panel with Toggle switch, 16 way I/O module

MODULE MODELS

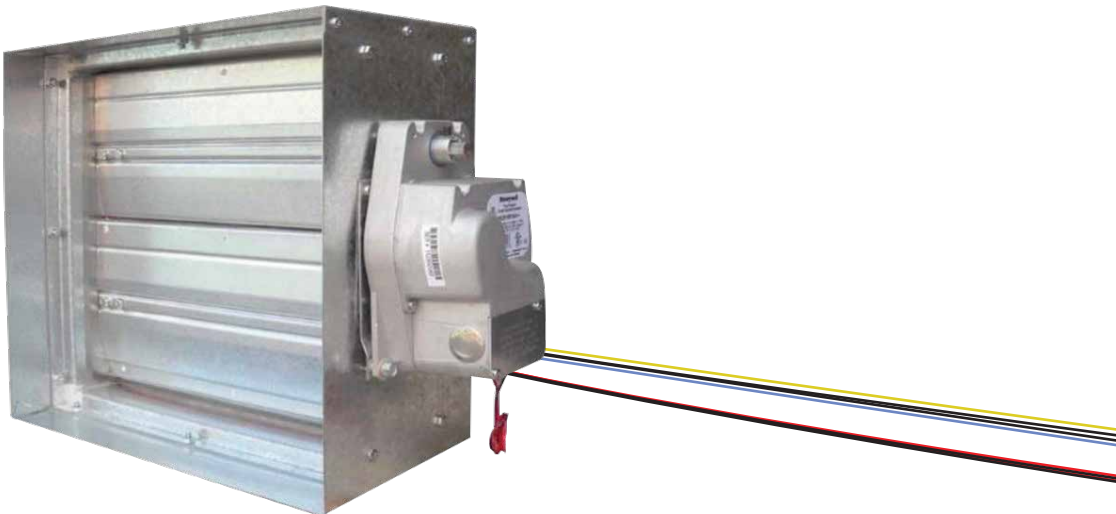
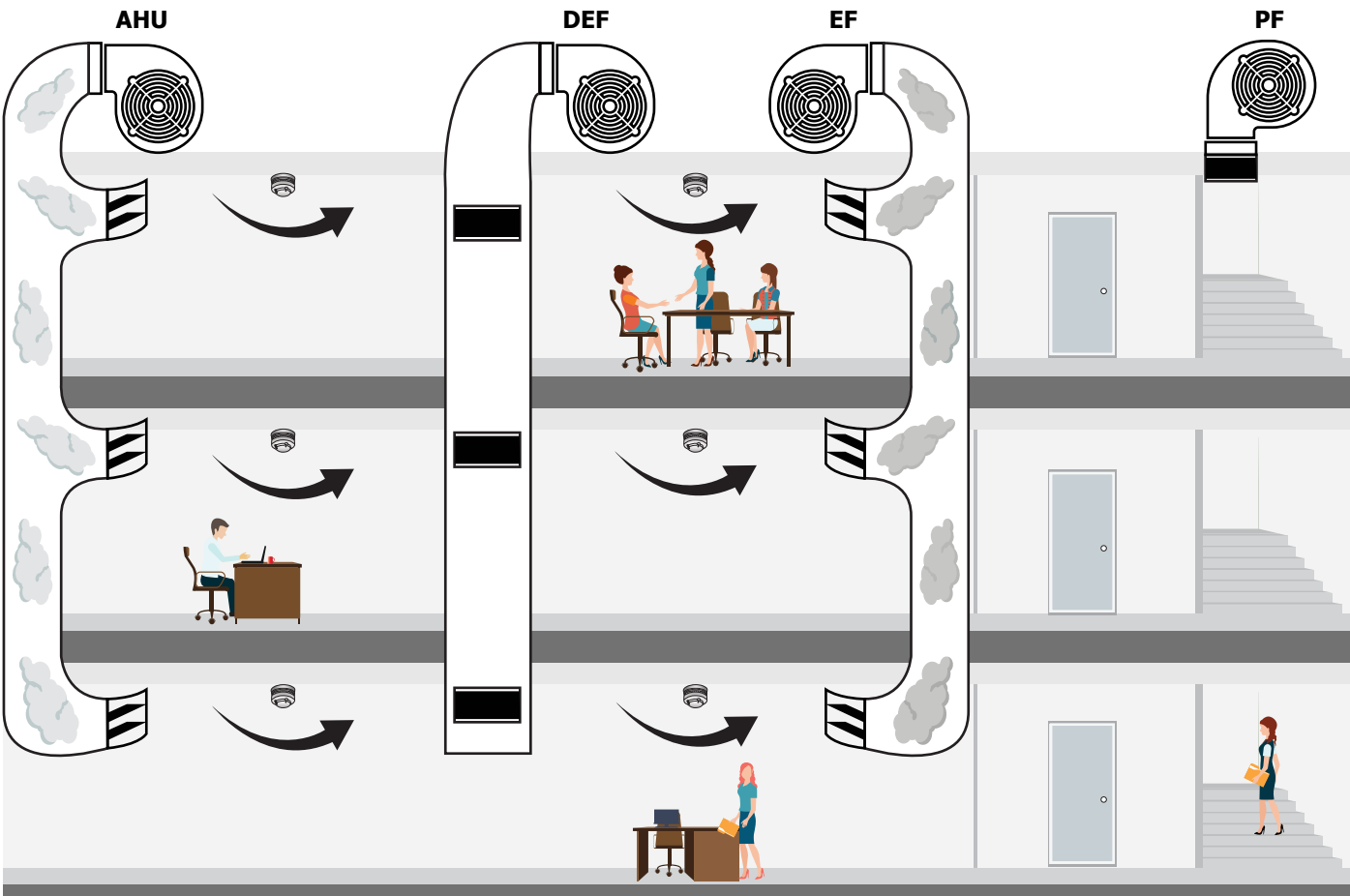
Product Code Description

ML-1356	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V DC
ML-1356.SCI	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V DC, Short Circuit Isolator
ML-1357	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V AC
ML-1357.SCI	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V AC, Short Circuit Isolator
ML-1358	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 220V AC
ML-1358.SCI	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 220V AC, Short Circuit Isolator

Normal Condition

In buildings, fresh air is supplied to the environment through **Clean Air Ducts (CAD)**. The dirty air is discharged through the **Exhaust Ducts (ED)**.

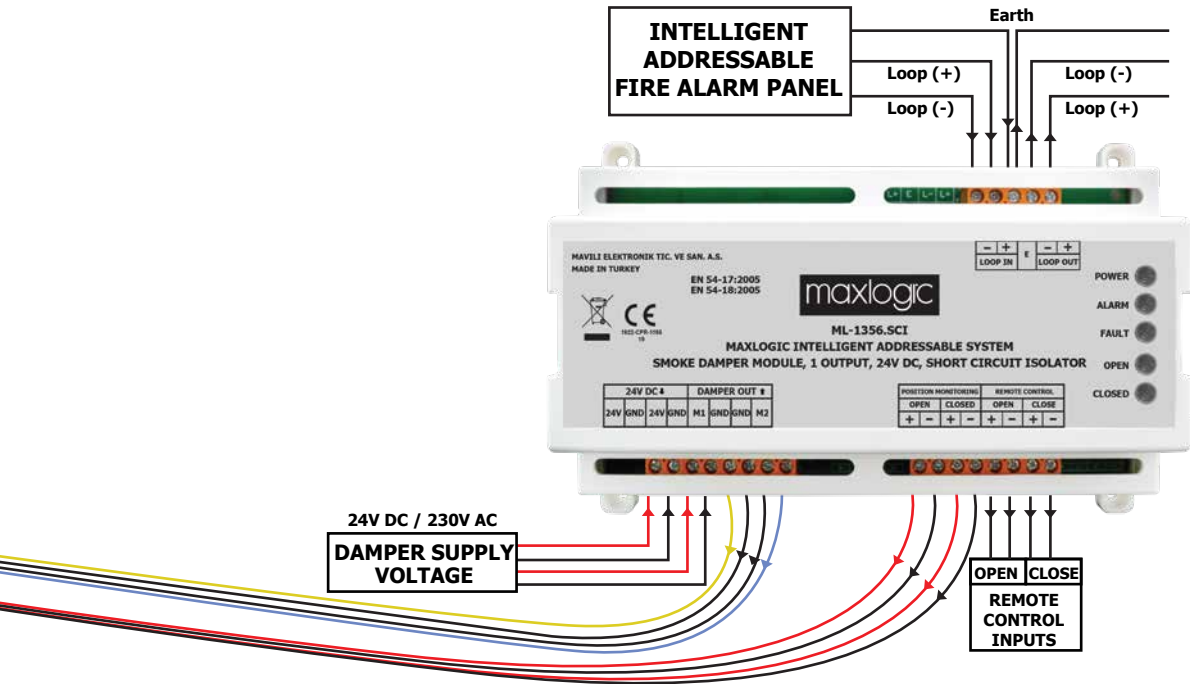
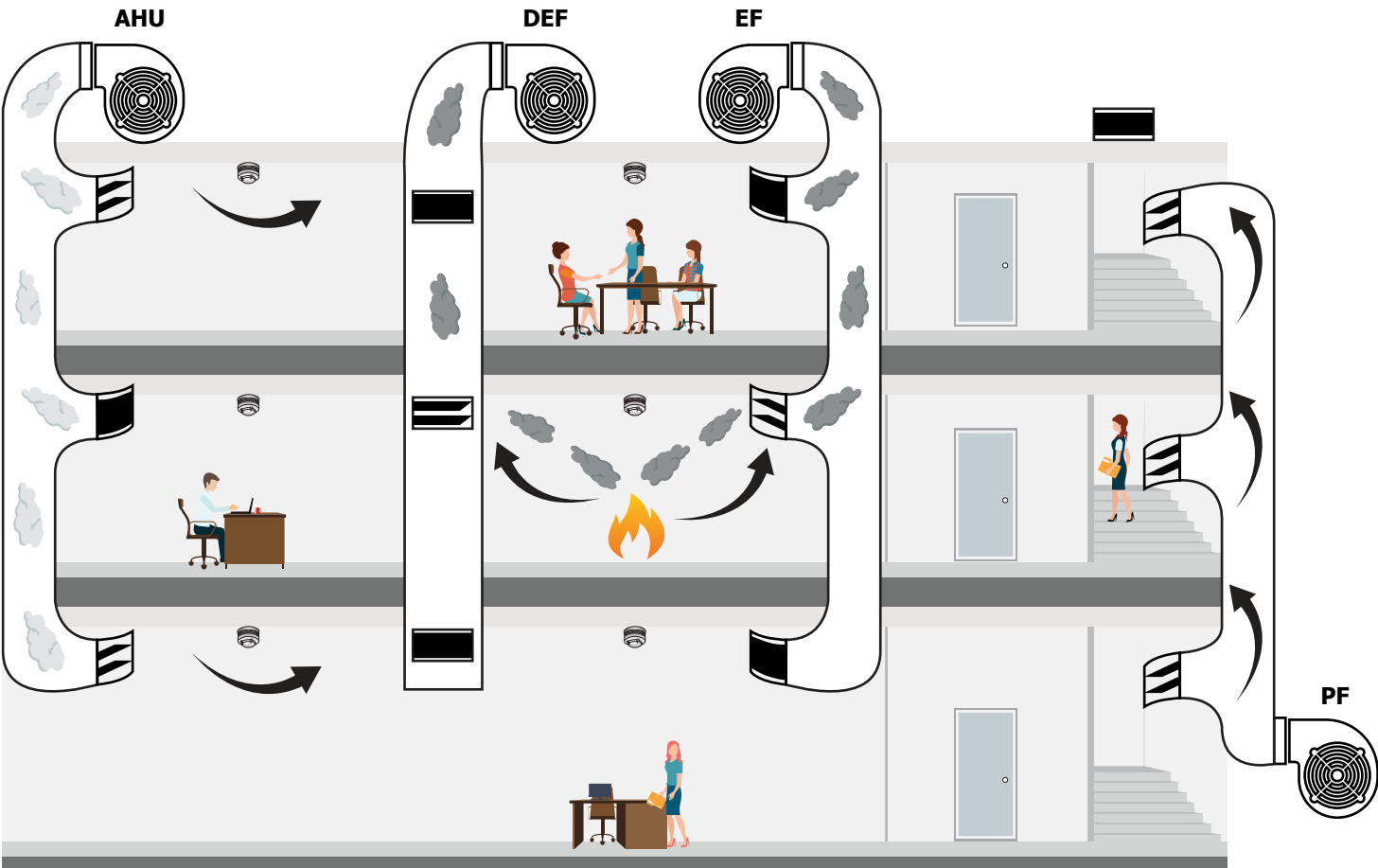
CHANNEL	DESCRIPTION	NORMAL STATUS
CAD	Clean Air Ducts	ALL OPEN 
SED	Smoke Exhaust Ducts	ALL CLOSED 
ED	Exhaust Ducts	ALL OPEN 
PF	Pressurization Fans	CLOSED 



Fire Condition

In case of fire in the buildings, the **Clean Air Ducts (CAD)** in the area they are located are closed to extinguish the fire. **Smoke Exhaust Ducts (SED)** and **Exhaust Ducts (ED)** are used to discharge smoke from the environment. To ensure the use of the stairs, compressed air is supplied to the stairs using the **Pressurization Fans (PF)**, thus limiting the passage of smoke.

CHANNEL	DESCRIPTION	FIRE ZONE STATUS	STATUS OF OTHER ZONES
CAD	Clean Air Ducts	CLOSED 	OPEN 
SED	Smoke Exhaust Ducts	OPEN 	CLOSED 
ED	Exhaust Ducts	OPEN 	CLOSED 
PF	Pressurization Fans	OPEN 	-



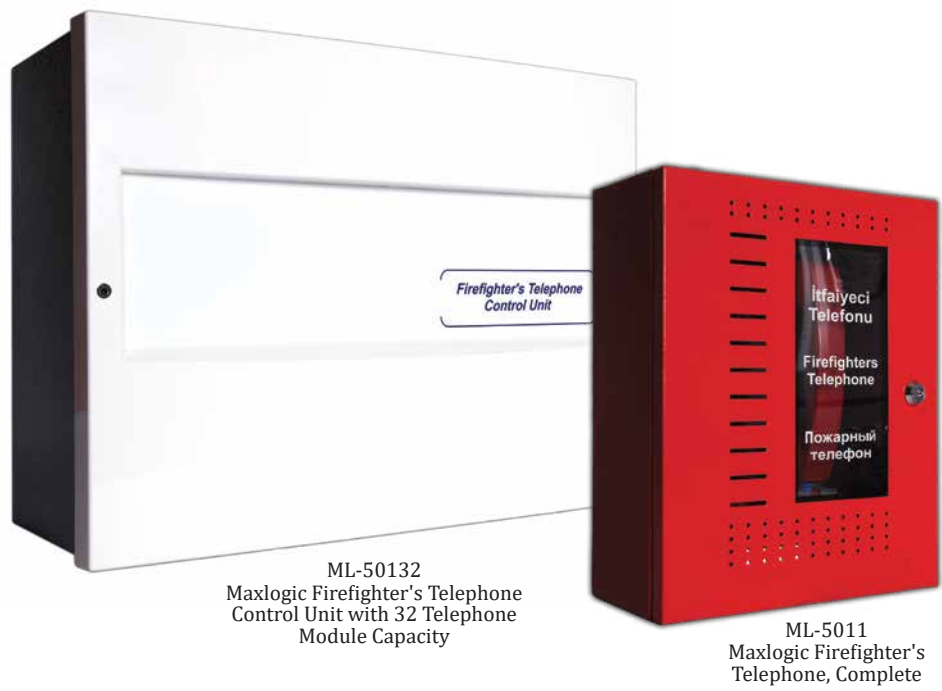


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**Safe
and Fast
Communication...**

Firefighter's Telephone Control Unit

Firefighter's telephone control unit; in case of an emergency, allows the communication of authorized people with the security center or other of firefighter's telephone units.



ML-50132
Maxlogic Firefighter's Telephone
Control Unit with 32 Telephone
Module Capacity

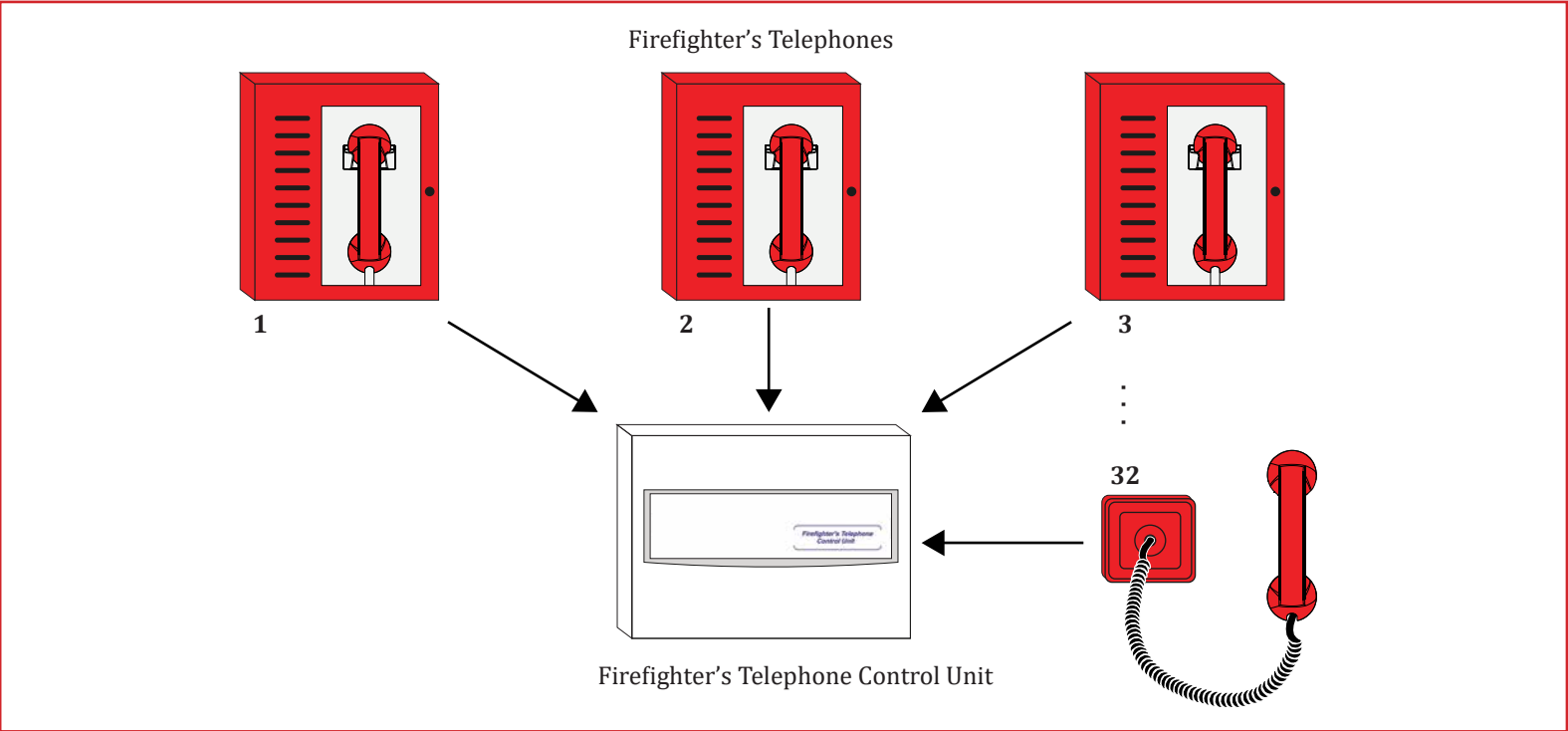
ML-5011
Maxlogic Firefighter's
Telephone, Complete

Firefighter's Telephone Control Unit

Through Firefighter's telephone unit, no need to dial for calling the fire telephones on panels and security center of firefighter's telephones. When any user call the security center, other users can be involved automatically by picking-up the handset and conference call can be done without any intervention of operator.

Firefighter's Telephone Unit

Firefighter's Telephone Unit can be applied in a different location from the panel and can be integrated into communication with the system.



In case of an emergency, lifting a handset of firefighter's telephone or inserting a portable firefighter's telephone handset in the socket and without the need of dialing any number automatically calls the security center by "hot line" feature.



MODELLER	
Product Code	Description
ML-5011	Maxlogic Firefighter Telephone, Complete
ML-5012	Maxlogic Firefighter Telephone Socket (for ML-5013)
ML-5013	Maxlogic Fireman's Field Phone Handset
ML-5014	Maxlogic firefighter portable field telephone 4 seater station
ML-50108	Maxlogic Firefighters Telephone Control Unit with 8 Telephone Module Capacity
ML-50116	Maxlogic Firefighter's Telephone Control Unit with 16 Telephone Module Capacity
ML-50132	Maxlogic Firefighter's Telephone Control Unit with 32 Telephone Module Capacity



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Intelligent Integration of Advanced Systems...

Announce / Alarm Matrix Panel

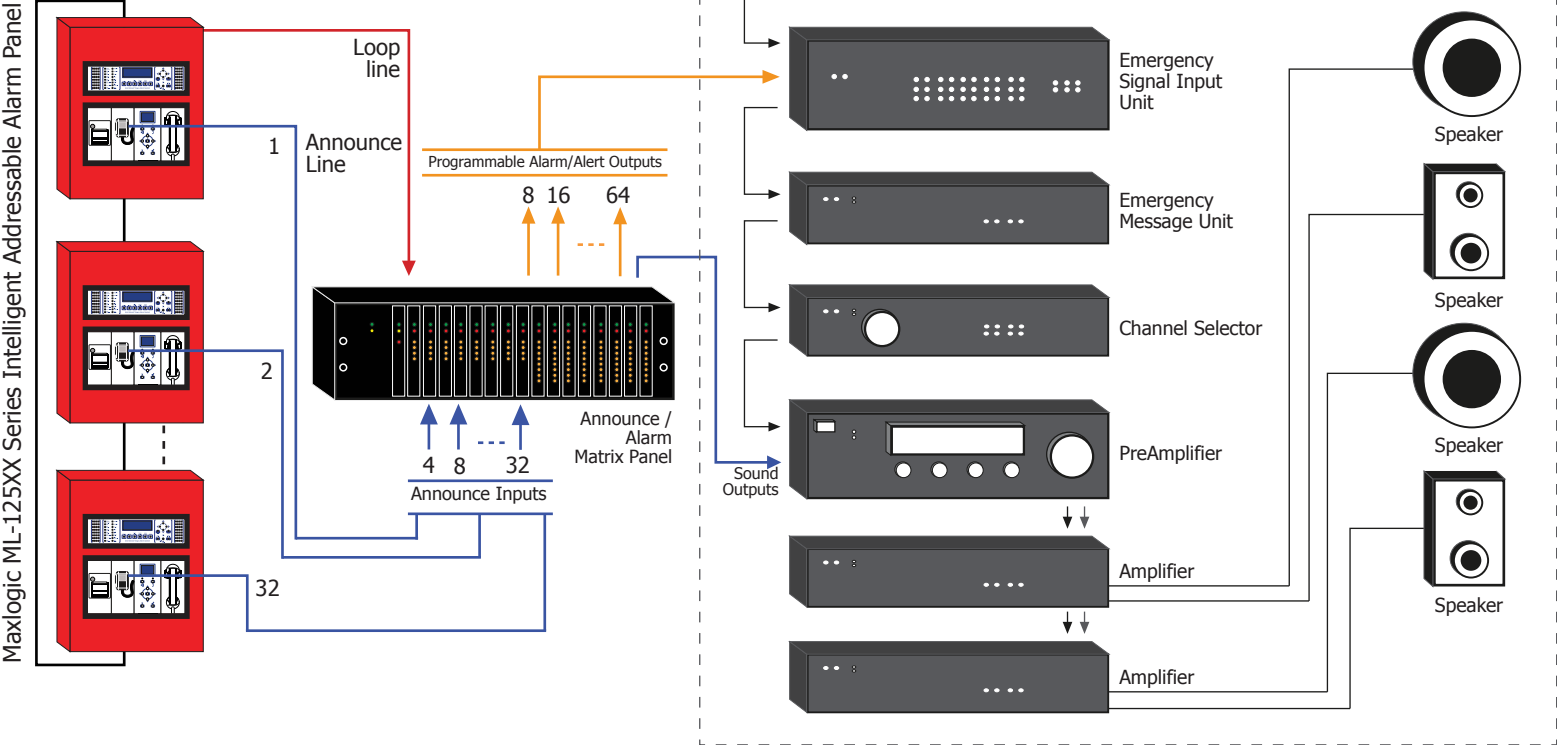
Announce / Alarm matrix panel provides the integration with announcement system.



ML-5020
Maxlogic Announce/Alarm Matrix Panel,
19", 3U Rack mounted, with announce
power module and announce output
module, base model

- ▶ Compatible with 19", 3U rack
- ▶ Modular structure expandable up to 16 modules
- ▶ Modules can be selected as announce microphone input and / or programmable alarm / warning output
- ▶ Up to 32 units of announce module connection inputs
- ▶ Ability perform announcement in 8 zone with the help of 60 announce microphone
- ▶ Possibility to perform announcement with pre-recorded messages in required zones
- ▶ Led indicators for communication and fault events
- ▶ LED indicators for active announce modules and active relay outputs
- ▶ Internal power supply

Announce System



- ▶ Live announcement feature via present announce system to the determined areas by authorized people is provided with using internal announce module on Intelligent addressable fire panels.
- ▶ When fire and/or emergency situation occurs; with using Alarm/Alert output modules, it provides an automatic announce with pre-recorded messages or sound records via present announce system to the determined areas.

MODELS

Product Code	Description
ML-5020	Maxlogic Announce/Alarm Matrix Panel, 19", 3U Rack Mounted, with Announce Power Module and Announce Output Module, Base Model
ML-5020.AI	Maxlogic Announce Input Module
ML-5020.PO	Maxlogic Programmable Alarm/Alert Output Module
MLY-5001	Maxlogic Announce/Alarm Matrix Blank Panel

Managing and Control in Your Hands...

D2262A

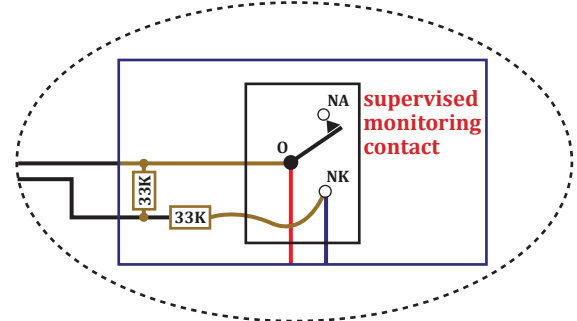
Intelligent Addressable System Input / Output Modules

Supervised Input/Output Modules, which offer superior operating performance with the VIP communication protocol, can be programmed to operate in cause-effect scenarios in order to realize fire automation.



ML-1373.SCI
Maxlogic Intelligent Addressable
2 Input/1 Output Module With
Short Circuit Isolator

ML-1366.SCI
Maxlogic Intelligent Addressable
System 4 Input/ 2 Output Module
with Short Circuit Isolator



- ▶ Compatible with EN 54-17 and EN 54-18
- ▶ Optional short circuit isolator models
- ▶ LED-indicated activation, fault, and communication status
- ▶ Easy mounting with rail system
- ▶ 2/1 I/O module with 2 zone monitoring inputs
1 sounder output option or 2 dry contact monitoring inputs
1 dry contact relay output option
- ▶ 4/2 I/O module with 4 dry contact monitoring inputs
2 dry contact relay outputs option

Dry Contact Input / Output Modules

Modules are loop-powered and can be programmed to operate in cause-effect scenarios. External systems can be monitored by switch monitor inputs and can be controlled by relay outputs within fire automation.

Switch monitor inputs are used for monitoring external dry switch relay output. Switches have normally open and normally close operate features. In case of changing of switch position, event type that is detected by panels can be determined by users.

The module has one relay output with voltage-free, bipolar contact max. load of 30V DC, 1A. The relay can operate as normally open or normally close.

The models have SCI, internal short circuit isolator, in case of short circuit events, isolates the line.

Energy Input / Output Modules

Energy Input/Output needs 18V-30V DC external power supply and that can be monitored in case of fault event and programmable for cause-effect scenarios.

Zone monitoring Inputs are used to monitor the conventional type detectors and manual call points. In case of change of Input status, events type that are detected by panel can be determined by users.

24V DC 500mA sounder output can be activated within fire automation as required. 24V DC 500mA sounder output can be arranged according to event type that is determined by users.

With SCI models, internal short circuit isolator, in case of short circuit events, isolates the line.

MODELS

Product Code Description

ML-1361	Maxlogic intelligent addressable system relay control module, 1-way output
ML-1361.SCI	Maxlogic intelligent addressable system relay control module, 1-way output, with short circuit isolator
ML-1362	Maxlogic intelligent addressable system switch monitor module, 1-way input
ML-1362.SCI	Maxlogic intelligent addressable system switch monitor module, 1-way input, with short circuit isolator
ML-1363	Maxlogic intelligent addressable system 2/1 I/O module (2 inputs / 1 output)
ML-1363.SCI	Maxlogic intelligent addressable system 2/1 I/O module (2 inputs / 1 output), with short circuit isolator
ML-1366	Maxlogic intelligent addressable system 4/2 I/O module (4 inputs / 2 outputs)
ML-1366.SCI	Maxlogic intelligent addressable system 4/2 I/O module (4 inputs / 2 outputs), with short circuit isolator
ML-0320	Maxlogic intelligent addressable system 2-I/O module protection box

MODELS

Product Code Description

ML-1371	Maxlogic intelligent addressable system sounder control module, 1-way output
ML-1371.SCI	Maxlogic intelligent addressable system sounder control module, 1-way output, with short circuit isolator
ML-1372	Maxlogic intelligent addressable system zone monitor module, 1-way input
ML-1372.SCI	Maxlogic intelligent addressable system zone monitor module, 1-way input, with short circuit isolator
ML-1373	Maxlogic intelligent addressable system 2/1 I/O module (2 inputs / 1 output)
ML-1373.SCI	Maxlogic intelligent addressable system 2/1 I/O module (2 inputs / 1 output), with short circuit isolator
ML-1380	Maxlogic intelligent addressable system short circuit isolator module
ML-1390	Maxlogic intelligent addressable system short circuit isolator module
MG-6700	MaviGard intelligent analogue addressable mains relay controller, 1 way output, 250V AC 8A
ML-0320	Maxlogic intelligent addressable system 2-I/O module protection box

Aesthetic and Technologic Genius...



Intelligent Addressable Loop-powered Base Sounder / Sounder Beacon / Mounting Base c/w Buzzer

Alarm devices that give audible and/or visual warning in case of fire, suitable for indoor use. It can be programmed to output at any time within the cause-effect scenario. When the detector with the base sounder gets alarm, the internal sounder gets activated and while the detector with base sounder & beacon gets alarm, internal beacon gets activated.



- ▶ Compatible with EN 54-3 and EN 54-23
- ▶ Specially designed for indoor use
- ▶ Loop-powered
- ▶ 85 dB sound output, 8 tones and volume control
- ▶ It can be used as a stand alone sounder/sounder beacon
- ▶ Its primary application is to be installed under intelligent analogue addressable smoke and heat detectors to provide both detection and alarm at the same point, reducing wiring and installation costs

MODELS	
Product Code	Description
ML-1101	Maxlogic Intelligent Addressable System Loop Powered Based Sounder
ML-1102	Maxlogic Intelligent Addressable System Loop Powered Based Sounder & Beacon
ML-1103	Maxlogic Intelligent Addressable System Loop Powered Based Beacon
ML-0141	Mounting Base With Buzzer For Maxlogic Series Detectors

Intelligent Addressable System Sounder / Beacon / Sounder & Beacon / Weatherproof

Intelligent addressable sounder, beacon, sounder & beacon / weatherproof; designed for intelligent addressable system, with full VIP communication protocol compatibility.

- Compatible with EN 54-3 / EN 54-23
- Short circuit isolator models compatible with EN 54-17
- 'Soft' addressable by use of address programmer
- Easily programmable by Loop Manager
- Able to integrate into the cause effect scenarios
- Stable sensitivity
- Suitable for outdoor use
- Compatible with all addressable fire alarm control panels
- PCB protected by metal case
- Aesthetic design
- Production by surface mount technology
- Adjustable different 32 voice tone options
- IP33 / IP65 high protection class options

ML-1430.SCI
Maxlogic Intelligent addressable system sounder & beacon with short circuit isolator



ML-1410.SCI
Maxlogic Intelligent addressable system sounder with short circuit isolator

ML-1490.SCI
Maxlogic Intelligent Addressable System Sounder & Beacon, Weatherproof (IP65), Short Circuit Isolator



ML-1440.SCI
Maxlogic Intelligent Addressable System Sounder, Weatherproof (IP33), Short Circuit Isolator

MODELS

Product Code	Description
ML-1410	Maxlogic Addressable System Sounder
ML-1410.SCI	Maxlogic Addressable system Sounder, with Short Circuit Isolator
ML-1420	Maxlogic Addressable System Beacon
ML-1420.SCI	Maxlogic addressable System Beacon ,with Short Circuit Isolator
ML-1421	Maxlogic Addressable System Ceiling Type (Class C, IP33) Beacon
ML-1421.SCI	Maxlogic addressable System Ceiling Type (Class C, IP33) Beacon, with Short Circuit Isolator
ML-1422	Maxlogic Addressable System Ceiling Type (Class C, IP65) Beacon
ML-1422.SCI	Maxlogic Addressable System Ceiling Type (Class C, IP65) Beacon, with Short Circuit Isolator
ML-1423	Maxlogic Addressable System Ceiling Type (Class W, IP33) Beacon
ML-1423.SCI	Maxlogic Addressable System Ceiling Type (Class W, IP33) Beacon, with Short Circuit Isolator
ML-1424	Maxlogic Addressable System Ceiling Type (Class W, IP65) Beacon
ML-1424.SCI	Maxlogic Addressable System Ceiling Type (Class W, IP65) Beacon, with Short Circuit Isolator
ML-1430	Maxlogic Addressable System Sounder & Beacon
ML-1430.SCI	Maxlogic Addressable System Sounder & Beacon, with Short Circuit Isolator
ML-1440	Maxlogic Addressable System Sounder & Beacon weatherproof (IP33)
ML-1440.SCI	Maxlogic Addressable System Sounder & Beacon weatherproof (IP33), with Short Circuit Isolator

MODELS

Product Code	Description
ML-1450	Maxlogic Intelligent Addressable System Beacon Weatherproof (IP33)
ML-1450.SCI	Maxlogic Intelligent Addressable System Beacon Weatherproof (IP33), With Short Circuit Isolator
ML-1460	Maxlogic Intelligent Addressable System Sounder & Beacon, Weatherproof (IP33)
ML-1460.SCI	Maxlogic Intelligent Addressable System Sounder & Beacon, Weatherproof (IP33), With Short Isolator
ML-1470	Maxlogic Intelligent Addressable System Sounder, Weatherproof (IP65)
ML-1470.SCI	Maxlogic Intelligent Addressable System Sounder, Weatherproof (IP65), With Short Isolator
ML-1480	Maxlogic Intelligent Addressable System Beacon, Weatherproof (IP65)
ML-1480.SCI	Maxlogic Intelligent Addressable System Beacon Weatherproof (IP65), With Short Circuit Isolator
ML-1490	Intelligent Addressable System Sounder & Beacon, Weatherproof (IP65)
ML-1490.SCI	Intelligent Addressable System Sounder & Beacon, Weatherproof (IP65), With Short Circuit Isolator

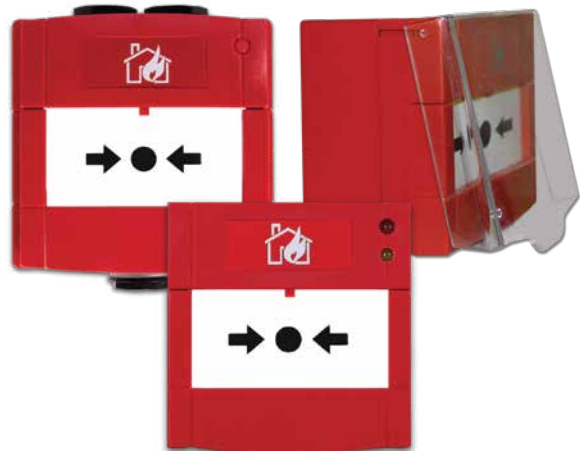
Intelligent Addressable Manual Call Point

Design according to the EN 54-11 standards, with easy to install and easy to use features and useful accessories, the addressable fire alarm manual call points offer advanced and stable working performance.

- Compatible with EN 54-11 / EN 54-17
- Surface mount or flush mount
- Compatible with all addressable fire alarm control panels
- Microprocessor controlled
- Short circuit isolator models
- LED indicated activation
- Transparent protection cover
- Easy resettable
- Stable sensitivity
- Communication interrupt for fast fire alarm detection in 1.5 sec.
- Production by surface mount technology

ML-1730.SCI
Maxlogic intelligent addressable system manual call point weatherproof (IP67) resettable, short circuit isolator

ML-1710
Maxlogic intelligent analogue addressable system manual call point



ML-1710.SCI
Maxlogic intelligent analogue addressable system manual call point with short circuit isolator

MODELS

Product Code	Description
ML-1710	Maxlogic Addressable System Manual Call Point, Resettable
ML-1710.SCI	Maxlogic Addressable System Manual Call Point, Resettable, with Short Circuit Isolator
ML-1720	Maxlogic Corded Emergency Panic Button
ML-1720.SCI	Maxlogic Corded Emergency Panic Button, with Short Circuit Isolator
ML-1730	Maxlogic Intelligent Addressable System Manual Call Point, Weatherproof (IP67), Resettable
ML-1730.SCI	Maxlogic Intelligent Addressable System Manual Call Point, Weatherproof (IP67), Resettable, with Short Circuit Isolator
ML-1180	Maxlogic Water Leakage Detector
ML-1180.SCI	Maxlogic Water Leakage Detector, with Short Circuit Isolator
ML-0710	Maxlogic Protection Cover For Manual Call Point



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Convenient and Ergonomic

Addressable Corded Emergency Panic Button

It is designed to transmit the emergency that may occur in places such as bathrooms and WCs in hospitals, hotels and similar buildings, over the addressable system, in the most accurate and error-free manner. It can be reset automatically without any action.



ML-1720.SCI
Maxlogic Intelligent Addressable
System Corded Emergency Panic
Button With Short Circuit Isolator

- ▶ Easy access and use
- ▶ Convenient and ergonomic design
- ▶ Compatible with surface and flush mount technology
- ▶ No mechanical reset required

MODELS

Product Code	Description
ML-1720	Maxlogic intelligent Addressable System Corded Emergency Panic Button
ML-1720.SCI	Maxlogic intelligent Addressable System Corded Emergency Panic Button with short circuit isolator

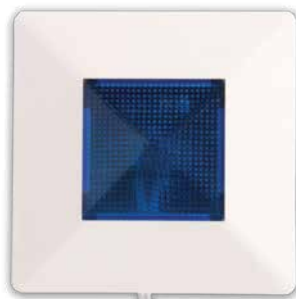


Intelligent Solution for Water Leakage Risk

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Intelligent Addressable Water Leakage Detector

The smart addressable water leakage detector is used in places where there is a risk of water leakage.



ML-1810.SCI
Maxlogic Intelligent Addressable System Water Leakage Detector With Short Circuit Isolator



- ▶ Activation with LED indicator
- ▶ Loop powered
- ▶ 1.5 meter cable and sensing probe
- ▶ 20 m² protection area

MODELS

Product Code	Description
ML-1180	Maxlogic Intelligent Addressable System Water Leakage Detector
ML-1180.SCI	Maxlogic Intelligent Addressable System Water Leakage Detector with Short Circuit Isolator

Intelligent and Powerful...

SMPS Power Supply

SMPS power supplies have a stable sensitivity, produced by using surface mount technology and compatible with all Maxlogic & Mavigard series products.



SMPS Power Supply

- Compatible with EN 54-4
- In the case of electrical failure, power is supplied from battery, which are automatically recharged
- Automatic battery charge circuit
Battery charge voltage according to ambient temp.
- Dry contact relay output for faults
- Earth fault, battery fault (charge fault, low voltage fault, no battery connection fault), power and fuse faults are monitored on the power supply unit
- In case of electrical failure, supply from battery and protected from short circuit and over current
- Battery temperature measurement and automatically arrangement for battery charge voltage

MODELS

Product Code	Description
ML-0515	Maxlogic Intelligent SMPS Power Supply 5A
ML-05110	Maxlogic Intelligent SMPS Power Supply 10A

**Fast
and Stable
Detection...**

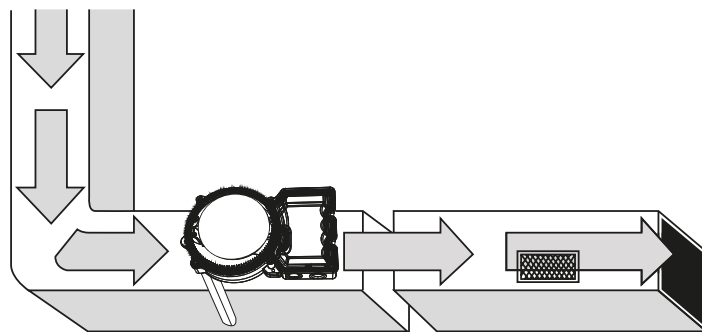
41

Superflow Air Duct Sampling Unit

Superflow air duct sampling unit is used to detect smoke in ventilation ducts and combines a smoke detector and an adaptor system where both venturi pipe and housing are specially designed for optimum airflow through the smoke detector.



UG-7/STD
Superflow duct air
sampling device



- Complies with EN 54-27 standard
- Single pipe air sampling system Superflow patented venturi pipe and duct casing
- Test hole located in the top cover
- Easy setup

MODELS

Product Code	Description
UG-7/STD	Superflow duct air sampling device
ST2	Sampling tube (length 0.6 m)

Excellent Compatibility of Hardware and Software...

Intelligent Addressable Fire Detectors

Intelligent addressable fire detectors, offering high performance by the VIP communication protocol, provide a high level of reliability as a result of stable detection feature.

- ▶ Compatible with EN 54-5, EN 54-7 and EN 54-17
- ▶ Microprocessor controlled
- ▶ Twin fire alarm indicators for 360° viewing
- ▶ RY LED that lights red in alarm status and yellows in case of contamination and fault.
- ▶ Remote indicator output
- ▶ Optional short circuit isolator module
- ▶ Easy mounting and dismounting
- ▶ RY LED glows Red in case of fire, Yellow in case of pollution and fault conditions
- ▶ Compatible with ML-0121 series surface mounting back box
- ▶ Compatible with ML-0150 series recessed mounting base



ML-1110.SCI
Optical smoke detector
with short circuit isolator

ML-1130.SCI
Heat detector
with short circuit isolator

ML-1140.SCI
Multisensor detector
with short circuit isolator



Intelligent Addressable Optical Smoke Detector, with short circuit isolator

Photo electric smoke detectors utilize the IR light scatter principle. The chamber is designed for protection from dust, insects and other external interferences.

Through short circuit isolator, the line is isolated in case of short circuit.



ML-1150.SCI Intelligent Addressable Carbon Monoxide Detector with Short Circuit Isolator

The smart addressable carbon monoxide detector interprets the carbon monoxide analog values detected at the place where it is located, converts it into a fire signal by means of advanced electronic circuits and transmits it to the fire alarm panel. It detects the amount of carbon monoxide in the location with its electrochemical sensor and generates a fire signal.



Intelligent Addressable Heat Detector, with short circuit isolator

Heat detector detects temperature change by temperature-sensitive thermistors. The detector can work either as a fixed heat or rate of rise heat detector. Through Short circuit isolator, the line is isolated in case of short circuit.



ML-1160.SCI Intelligent Addressable Multisensor (CO+A1S Class Heat) Detector with Short Circuit Isolator

Intelligent addressable multisensor (CO+A1S class heat) detectors detect and interpret the ambient temperature with the thermistor and the amount of carbon monoxide in the location with the electrochemical sensor. A fire signal is generated if the ambient temperature reaches 60°C or if more than 50ppm of carbon monoxide gas is detected in the location.



Intelligent Addressable Multisensor Detector, With Short circuit isolator

The multi-sensor detectors have a photo-electric smoke detection chamber and a temperature-sensitive thermistor.

The chamber is designed for protection from dust, insects and other external interferences. Through short circuit isolator, the line is isolated in case of short circuit.



ML-1161.SCI Intelligent Addressable Multisensor (CO+A1R Class Heat) Detector with Short Circuit Isolator

Intelligent addressable multisensor (CO+A1R class heat) detectors detect and interpret the ambient temperature with the thermistor and the amount of carbon monoxide in the environment with the electrochemical sensor. If the ambient temperature reaches 60°C or there is a temperature increase specified in the EN 54-5 standard, a fire is detected. In addition, if more than 50ppm of carbon monoxide gas is detected in the location, a fire signal is generated.

MODELS

Product Code Description

ML-1110	Maxlogic Intelligent Addressable Optical Smoke Detector
ML-1120	Maxlogic Addressable A1S Class Fixed Temp Heat Detector
ML-1130	Maxlogic Intelligent Addressable Heat Detector
ML-1130BS	Maxlogic BS Class Intelligent Addressable Heat Detector
ML-1140	Maxlogic Intelligent Addressable Multi-sensor (Optical Smoke+Heat) Detector
ML-1110.SCI	Maxlogic Intelligent Addressable Optical Smoke Detector With Short Circuit Isolator
ML-1120.SCI	Maxlogic Addressable A1S Class Fixed Temp Heat Detector With Short Circuit Isolator
ML-1130.SCI	Maxlogic Intelligent Addressable Heat Detector With Short Circuit Isolator
ML-1140.SCI	Maxlogic Intelligent Addressable Multi-sensor (Optical Smoke+Heat) Detector With Short Circuit Isolator

MODELS

Product Code Description

ML-1150.SCI	Maxlogic Intelligent Addressable Carbon Monoxide Detector with Short Circuit Isolator
ML-1160	Maxlogic Intelligent Addressable Multisensor (CO+A1S Class Heat) Detector
ML-1160.SCI	Maxlogic Intelligent Addressable Multisensor (CO+A1S Class Heat) Detector with Short Circuit Isolator
ML-1161	Maxlogic Intelligent Addressable Multisensor (CO+A1R Class Heat) Detector
ML-1161.SCI	Maxlogic Intelligent Addressable Multisensor (CO+A1R Class Heat) Detector with Short Circuit Isolator
ML-0140	Maxlogic Detector Mounting Base
ML-0141	Maxlogic Mounting Base With Buzzer for Maxlogic Detectors
ML-0143	Maxlogic UL Detector Mounting Base (6 inches)
ML-0144	Maxlogic Mounting Base (B class)
ML-0150	Maxlogic Recessed Mounting Base
ML-0121	Maxlogic Surface Mounting Base (For Detector)

Stable Detection and Architectural Integrity...

Recessed Mounting Base & Address Numerators

Recessed mounting base is used for mounting conventional and addressable detectors on false ceilings of various types (like metal, plaster etc.). The base allows creating more aesthetic architectural applications. Bases are produced from ABS and have the same color as detectors. Bases are mounted into ceiling material with minimum two clamps and stainless steel screws.

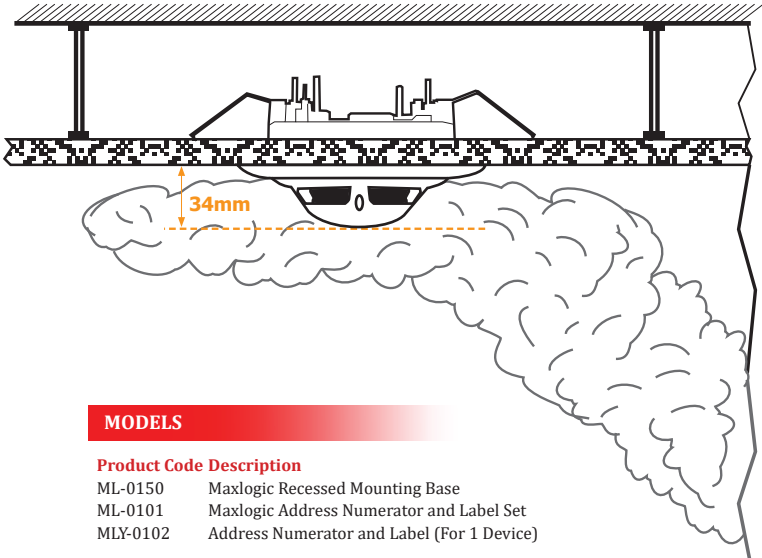
They have an ergonomic design and easy in implementing. In usual ceilings where placed addressable devices, they can be installed directly under the mounting bases of the detectors, and in false ceilings - under the false ceiling unit. Address numerators are designed to provide great convenience in finding the right device, in case of fault, malfunction, contamination, etc. Compatible with all mounting bases of MaxLogic / MaviGard detectors and ceiling additions.



ML-0150
Recessed
Mounting Base



ML-0101
Address Numerator and
Labels (for 127 devices)



MODELS

Product Code Description	
ML-0150	Maxlogic Recessed Mounting Base
ML-0101	Maxlogic Address Numerator and Label Set
MLY-0102	Address Numerator and Label (For 1 Device)

**Designed
for Harsh
Environment
Conditions...**

45

Surface Mounting Back Box



ML-0121
Surface Mounting
Back Box

Surface mounting back box is designed for Protection from harsh weather conditions.



MG-3700
Weatherproof back
box for fire detectors

MODELS

Product Code	Description
ML-0121	Maxlogic Surface mounting back box (For Detectors)
MG-3700	Mavigard Surface mounting back box for fire detectors

No More Explosion and Poisoning...

Gas Detectors

User-friendly Mavigard gas detectors provide wide applicability and reliable gas detection.



AGD-1224M.VIP
Mavigard AGD Series Gas Detectors
Intelligent Addressable Methane
(Natural Gas) Detector, 12/24V DC

- ▶ Compatible with EN 50194-1
- ▶ System normal operation condition, faults on detector and gas alarm events can be followed via LEDs
- ▶ LEDs and buzzer can be tested via test button
- ▶ 5 years sensor life under normal operating conditions
- ▶ Max. 127 gas detectors per loop
- ▶ Relay output models that work with fire and security alarm control panels
- ▶ Models with external 24V DC / 230V AC power supply
- ▶ Can be directly connected to loop
- ▶ Built-in buzzer



AGD-1224L.VIP
Mavigard AGD Series Gas Detectors
Intelligent addressable LPG
(buthane+Propane) detector, 12/24V DC



AGD-1224EC.VIP
Mavigard AGD Series Gas Detectors Intelligent
addressable carbon-monoxide
detector, 24V DC, electrochemical

LPG and Natural-Gas Detectors

LPG (buthane + propane) and natural-gas (methane) are hidrocarbon derivative explosive gases. The detectors respond audible and visually, before the leakage reaches %10 LEL (lower explosive limit).

Carbon-Monoxide Detectors

Carbon-monoxide is a toxic gas with explosion risk. The detectors respond audible and visual, when the gas concentration reaches to 50 ppm (parts per million).



ML-0120
Maxlogic Surface mounting back box



TGDR-1224M
Mavigard Gas Detector for Methane detector,
12/24V DC with relay, ceiling type,
Requires MG-3500 socket

Surface Mounting Back Box

Surface mounting back box is compatible with all Maxlogic and Mavigard single field control modules and gas detectors.

TGDR Series Ceiling Type Natural-Gas Detectors

Ceiling type gas detectors have same size and appearance with smoke detectors. Ceiling type gas detectors require mounting base.

INTELLIGENT ADDRESSABLE GAS DETECTORS		CONVENTIONAL ADDRESSABLE GAS DETECTORS	
Product Code	Description	Product Code	Description
AGD-1224L.VIP	Mavigard AGD Series Gas Detectors Intelligent addressable LPG (buthane+Propane) detector, 12/24V DC	GDR-1224L	Mavigard GD/GDR Series Gas Detectors LPG (buthane+propane) detector, 12/24V DC with relay
AGD-1224M.VIP	Mavigard AGD Series Gas Detectors Intelligent addressable (natural-gas) methane detector, 12/24V DC	GDR-1224M	Mavigard GD/GDR Series Gas Detectors Methane (natural gas) detector, 12/24V DC with relay
AGD-1224EC.VIP	Mavigard AGD Series Gas Detectors Intelligent addressable carbon-monoxide detector, 24V DC, electrochemical	GDR-220L	Mavigard GD/GDR Series Gas Detectors LPG (buthane+propane) detector, 220V AC with relay
AGD-220L.VIP	Intelligent addressable LPG detector, 230V AC	GDR-220M	Mavigard GD/GDR Series Gas Detectors Methane (natural gas) detector, 220V AC with relay
AGD-220M.VIP	Intelligent addressable natural-gas (methane) detector, 230V AC	GD2R-12EC	Mavigard Carbon monoxide gas detector (CO), 12V DC, 2-level alarm output, electrochemical
AGD-220EC.VIP	Intelligent addressable carbon-monoxide detector, 230V DC, electrochemical	GD2R-24EC	Mavigard Carbon monoxide gas detector (CO), 24V DC, 2-level alarm output, electrochemical
ML-0120	Maxlogic Surface mounting back box (for gas detector)	GD2R-220EC	Mavigard Gas detector (CO) Carbon monoxide gas detector (CO), 220V DC, 2-level alarm output, electrochemical
		TGDR-1224M	Mavigard Gas Detector for Methane) detector, 12/24V DC with relay, ceiling type, Requires MG3500 socket
		ML-0120	Maxlogic Surface mounting back box (For Gas Detector)



Keep Your
Eyes On The
Heights...

48

Intelligent Addressable Beam Type Smoke Detectors

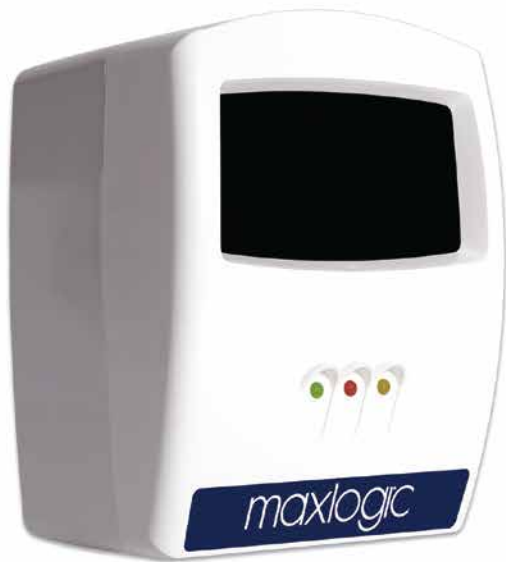
Designed with surface mounting Technologies to detect smoke through infrared beams in places that have high and wide areas (warehouse, malls, etc.)



ML-1170.SCI
Maxlogic Intelligent Addressable
Beam Type Smoke Detector
Receiver with Short Circuit Isolator



ML-1170.SCI
Maxlogic Intelligent Addressable Beam
Type Smoke Detector Transmitter with
Short Circuit Isolator



ML-1173.SCI
Maxlogic Intelligent Analogue Addressable
Reflector Beam Type Smoke Detector,
c/w Short Circuit Isolator



ML-0171
Beam Type
Smoke Detector Reflector
with 1 reflector



ML-0174
Beam Type
Smoke Detector Reflector
with 4 reflector

Maxlogic beam type smoke detector consists of 2 parts; receiver and transmitter. They should be installed as facing each other between the distance of 5-100m.

Reflective beam type smoke detector consists 2 parts as a receiver/transmitter unit and reflector. Unit and reflector should be mounted as facing each other, distance is 5-35 meters with 1 reflector and 5-50 meters with using 4 reflectors.

Detectors detect the light obstruction percentage caused by the smoke created by fire.

- ▶ Intelligent addressable and conventional models
- ▶ Short circuit isolator models
- ▶ Receiver-Transmitter or reflective models
- ▶ 2 digit numerical screen for easy commissioning and setup

- ▶ With beam type smoke detector 1500 m², with reflective beam type smoke detector 750 m² protection area
- ▶ Easy programming buttons
- ▶ LED indicators for power, fire and fault conditions

- ▶ Ability to adjust itself to polluted and dirty environment
- ▶ Three sensitivity levels can be easily adjusted
- ▶ Continuous control of communication against the faults

DETECTOR MODELS

Product Code	Description
ML-1170	Maxlogic Intelligent addressable beam type smoke detector
ML-1170.SCI	Maxlogic Intelligent addressable beam type smoke detector, with short circuit isolator
ML-1173	Maxlogic Intelligent addressable reflective beam type smoke detector
ML-1173.SCI	Maxlogic Intelligent addressable reflective beam type smoke detector, with short circuit isolator
ML-2170	Maxlogic Conventional beam type smoke detector
ML-2173	Maxlogic Conventional reflector beam type smoke detector
ML-0171	Maxlogic Beam type smoke detector reflector, with 1 reflector
ML-0174	Maxlogic Beam type smoke detector reflector, with 4 reflector

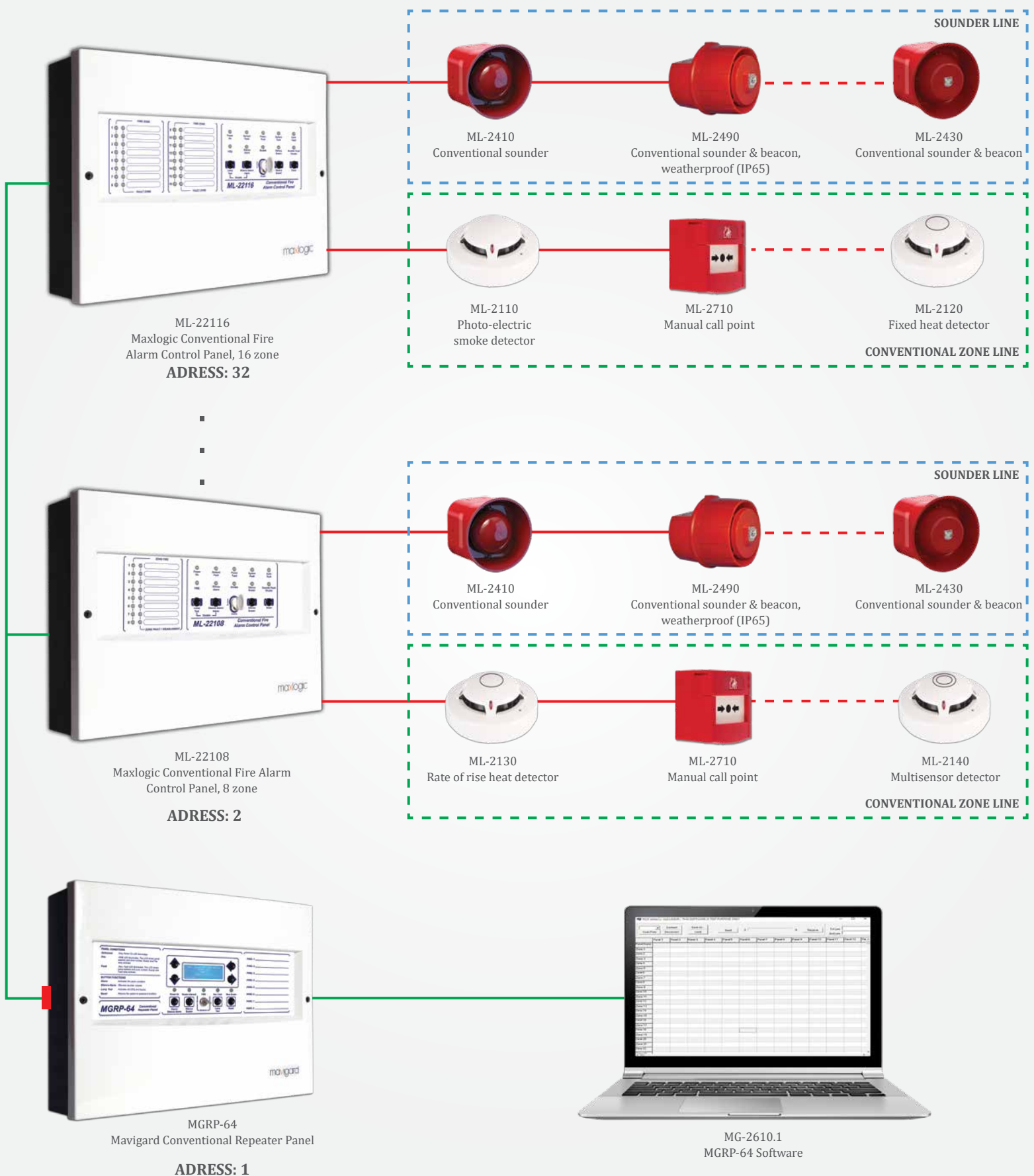


Conventional System That Can Work In a Network...

50

Conventional Fire Detection and Alarm System

- ▶ Ability to monitor multi panels with single repeater panel through Network
- ▶ Compatible with standard all conventional fire detectors and call points
- ▶ Optional zone capacity according to application
- ▶ 32 detectors or MCP capacity for each zone
- ▶ Supervised zone and sounder lines controlled against short circuit and open circuit
- ▶ Application specific solutions via optional modules
- ▶ Easy to use with few buttons on the front panel
- ▶ All LED indicators can be tested with one button
- ▶ Aesthetic design
- ▶ PCB protection against to humidity and corrosion
- ▶ Easy to install and user friendly
- ▶ Microprocessor control
- ▶ Surface mount production technology



- Fire and fault are monitored through zone LEDs and piezoelectric buzzer
- Sounder, fault and fire relay outputs
- Zones can be tested with one-man, through zone test feature
- Specific zones and/or sounder outputs can be disabled through zone disable and sounder disable features
- Stable sensitivity
- Protection from electromagnetic interferences

Reliable and Expandable Structure...

52

Conventional Fire Alarm Control Panels

Designed to provide economical solutions for small and medium applications with modern exterior design and SMT (Surface Mount Technology) production technology.



ML-2228
Maxlogic Conventional System
Fire Alarm Control Panel, 8 Zone

- ▶ Compatible with EN 54-2 and EN 54-4
- ▶ 2, 4 and 8 zones
- ▶ 1 sounder output, fire and fault relay outputs
- ▶ Fire and fault events can be monitored via zone fire LEDs, zone fault LEDs and piezoelectric buzzer
- ▶ User friendly with few button on front of the panel
- ▶ Stable sensitivity
- ▶ All LEDs can be tested via one button
- ▶ Zonal testing feature with one person
- ▶ Determined zones and/or sounder output can be disabled via Disable zone and disable sounder function
- ▶ Easy entrance for cable from up and back of panel
- ▶ Surface mounting technology
- ▶ Aesthetic design

Conventional Fire Alarm Control Panels

Conventional fire alarm control panels are designed to provide economical solutions for medium and big applications with modern exterior design and Surface mount technology production technology.



ML-22116
Maxlogic Conventional Fire Alarm Control Panel, 16 Zone

- Compatible with EN 54-2 and EN 54-4
- 2, 4, 8 and 16 zones
- Up to 32 repeater panels and/or fire panels assembled into a network with using repeater panel
- 230V AC 50 Hz power supply input
- Delay can be assigned to zones and sounders
- Up to 1000 events log memory
- Relay module 8-way (provides zonal relay output)
- Sounder module 8-way (provides zonal sounder output)
- Panel status can be monitored via PC. reset, alarm, alarm silence commands can be sent to panel, zone test and disable features can be performed
- Easy event log transfer by RS-485 port with computer program
- 2 sounder outputs, fire alarm and fault relay

MODELS

Product Code	Description
ML-22102	Maxlogic Conventional Fire Alarm Control Panel, 2 Zone
ML-22104	Maxlogic Conventional Fire Alarm Control Panel, 4 Zone
ML-22108	Maxlogic Conventional Fire Alarm Control Panel, 8 Zone
ML-22116	Maxlogic Conventional Fire Alarm Control Panel, 16 Zone
ML-2611	Maxlogic ML-221X Series Programming Software Usage Fee (Including Converter and Communication Cable)

ACCESSORIES AND OPTIONS

Product Code	Description
MLY-2210	Maxlogic Conventional Fire Alarm Control Panel Relay Module, 8 Outputs
MLY-2211	Maxlogic Conventional Fire Alarm Control Panel Sounder Control Module, 8 Outputs
MLY-2212	Maxlogic Conventional Fire Alarm Control Panel Network Module
MLY-2213	Maxlogic Conventional Fire Alarm Control Panel Memory Module
MLY-2214	Maxlogic Conventional Fire Alarm Control Panel Memory & Network Module

MODELS

Product Code	Description
ML-2222	Maxlogic Conventional System Fire Alarm Control Panel, 2 Zone
ML-2224	Maxlogic Conventional System Fire Alarm Control Panel, 4 Zone
ML-2228	Maxlogic Conventional System Fire Alarm Control Panel, 8 Zone

ACCESSORIES AND OPTIONS

Product Code	Description
MLY-2215	Maxlogic Conventional Fire Alarm Control Panel Relay Module, 4 Zone
MLY-2216	Maxlogic Conventional Fire Alarm Control Panel Sounder Control Module, 4 Zone
MLY-2217	Maxlogic Conventional Fire Alarm Control Panel Relay Module, 2 Zone
MLY-2218	Maxlogic Conventional Fire Alarm Control Panel Sounder Control Module, 2 Zone

MODELS

Product Code	Description
MGRP-64	Mavigard Conventional Repeater Panel
MG-2610.1	Mavigard MGRP-64 name upload software usage (Converter and Communication Cable Included)

New Perspective at Detection Technology...

54

Conventional Fire Alarm Detectors

Ergonomic and user friendly conventional fire alarm detectors are designed for maximum protection with their stability and sensitivity.

- ▶ Compatible with EN 54-5 and EN 54-7 standards
- ▶ Twin LED indicators for 360° view
- ▶ Microprocessor controlled
- ▶ Compatible with ML-0140 series mounting base c/w relay
- ▶ Compatible with ML-0141 series mounting base c/w buzzer
- ▶ Remote indicator output
- ▶ Compatible with ML-0150 series recessed ceiling mounting back box
- ▶ Compatible with ML-0121 series surface mounting back box
- ▶ 2 pcs red LEDs (the light flashes continuously in case of fire-situation, the light flashes once per 8 second in case of normal-status, the light flashes twice per 8 second in case of fault-status)



Detector Mounting Base

Compatible with Maxlogic conventional fire detectors.

Contact metals of ML-0140 mounting base have 301 quality and stainless type metals. These contacts are with clips in order to prevent intermittent contact.



Detector Mounting Base c/w Buzzer

When the detector alarms, at the same time internal buzzer is activated. Compatible with all conventional system detectors.

The mounting base c/w Buzzer is powered from detector line.



ML-2110
Maxlogic Conventional System
Photoelectric Smoke Detector

Conventional combined heat detector

The detector can work either as a fixed heat or rate of rise heat detector. Fire alarm signal is generated in case of 30°C/min or higher heat rise and/or on reaching the threshold of 60°C.

Conventional Fixed Heat Detector

The fire alarm signal generated on reaching the threshold of 60°C. For special orders, fixed heat detectors with different threshold levels can also be manufactured.



ML-2130
Maxlogic Conventional System
A1R Rate of Rise Heat Detector



ML-2140
Maxlogic Conventional System
Multisensor (Photoelectric Smoke
+ A1R Heat) Detector

Conventional Photo-Electric Smoke Detector

Photo-electric smoke detector has an infrared photoelectric smoke detection chamber which utilizes the infrared light scatter sensing principle. The detection chamber is protected from dust, insects and other external interferences.

Conventional Multi-sensor Detector

Multi-sensor has an infrared photoelectric smoke detection chamber utilizing the infrared light scatter sensing principle and a temperature-sensitive thermistor. The detection chamber is protected from dust, insects and other external interferences.

MODELS

Product Code Description

ML-2110	Maxlogic Conventional System Photoelectric Smoke Detector
ML-2120	Maxlogic Conventional System A1S Fixed Heat Detector
ML-2130	Maxlogic Conventional System A1R Rate of Rise Heat Detector
ML-2130BS	Maxlogic conventional system Class BS Heat Detector
ML-2140	Maxlogic Conventional System Multisensor (Photoelectric Smoke + A1R Heat) Detector
ML-0140	Detector mounting base
ML-0141	Mounting base c/w buzzer
ML-0144	Detector mounting base (B class)
ML-0150	Recessed mounting base
ML-0121	Surface mounting back box

**Perfect
Compatibility
between System
and Accessories...**

Conventional Sounder / Sounder & Beacon, Conventional Sounder / Beacon / Sounder & Beacon, Weatherproof



ML-2410
Maxlogic Conventional Sounder

Conventional Sounder

Maxlogic series conventional sounders provide stable performance in indoor applications and are compatible with all conventional panels.

- ▶ Compatible with EN 54-3
- ▶ Surface mount or flush mount
- ▶ Adjustable different 32 voice tone options
- ▶ Low or high voice power control
- ▶ Microprocessor controlled



ML-2420
Maxlogic Conventional Beacon

Conventional Sounder & Beacon

Maxlogic series conventional sounder beacon generates audible and visual signal, in addition to these features.

- ▶ Compatible with EN 54-3 and EN 54-23
- ▶ Adjustable different 32 voice tone options
- ▶ Adjustable flash frequency and coverage area
- ▶ White, strong LED flasher



ML-2490 ML-2440
Maxlogic Conventional Sounder & Beacon, Weatherproof (IP65) Maxlogic Conventional Sounder, Weatherproof (IP33)

Conventional Sounder, Beacon, Sounder & Beacon, Weatherproof

Maxlogic series conventional sounders are weather-proof audible warning devices and suitable for outdoor use.

- ▶ Compatible with EN 54-3 and EN 54-23
- ▶ Adjustable different 32 voice tone options
- ▶ Adjustable flash frequency and coverage area
- ▶ IP33 / IP65 high protection class options
- ▶ Suitable for outdoor use
- ▶ White, strong LED flasher

Sounder Expansion Panel

Compatible with all Intelligent addressable and conventional panels.



ML-0314
Maxlogic Sounder
Expansion Panel

- Compatible with EN 54-18 and EN 54-4 standards
- 4 supervised sounder output, each are 1A, 24V DC
- Sounder outputs are supervised and continuously monitor for open and short circuit
- Direct connection to addressable and conventional systems
- Continuous control against power supply failure
- Direct supply from the batteries when the power supply is cut
- Battery charge voltage is automatically adjusted according to ambient temperature

Designed according to the EN 54-11 standards, with easy to install and easy to use features and useful accessories, the conventional fire alarm manual call points offer superior and stable working performance.



Conventional Manual Call Point, Resettable

The MCP is activated by manual pressing on the flexible plastic cover. The switch, normally resting on flexible plastic cover, changes position and retains it until it is brought into its initial position.

- Easy resettable
- Compatible with EN 54-11 standards
- Surface mount or flush mount
- Compatible with all conventional fire alarm panels
- Transparent protection cover



Smoke Detector Tester / Sabre

Smoke detector tester is a functional testing product for ionization and optical smoke detectors.

- UL listed
- Non-flammable
- Non-toxic
- Easy to use
- Does not damage the detector
- High speed draft
- Doesn't damage plastic surface and internal structure
- No silicon content, ozone friendly with no CFCs

MODELS

Product Code	Description
ML-2710	Maxlogic Conventional Manual Call Point, Resettable
ML-2720	Maxlogic Conventional Manual Call Point, Resettable, NC/NO Contact
ML-0710	Maxlogic Manual Call Point Transparent Protection Cover
ML-0314	Maxlogic Sounder expansion panel, 4 outputs
SMOKE	Smoke detector test spray / sabre
SABRE 01-001	

MODELS

Product Code	Description
ML-2410	Maxlogic Conventional Sounder
ML-2420	Maxlogic Conventional Beacon
ML-2421	Maxlogic Conventional Ceiling Type (C Class, IP33C) Beacon
ML-2422	Maxlogic Conventional Ceiling Type (C Class, IP65) Beacon
ML-2423	Maxlogic Conventional Wall Type (W class, IP33) Beacon
ML-2424	Maxlogic Conventional Wall Type (W class, IP65) Beacon
ML-2430	Maxlogic Conventional Sounder & Beacon
ML-2440	Maxlogic Conventional Sounder, Weatherproof (IP33)
ML-2450	Maxlogic Conventional Beacon, Weatherproof (IP33)
ML-2460	Maxlogic Conventional Sounder & Beacon, Weatherproof (IP33)
ML-2470	Maxlogic Conventional sounder, weatherproof (IP65)
ML-2480	Maxlogic Conventional Beacon, Weatherproof (IP65)
ML-2490	Maxlogic Conventional Sounder & Beacon, Weatherproof (IP65)

The Right Choice for CO Detection and Automation...

GD2R Series Gas Detector



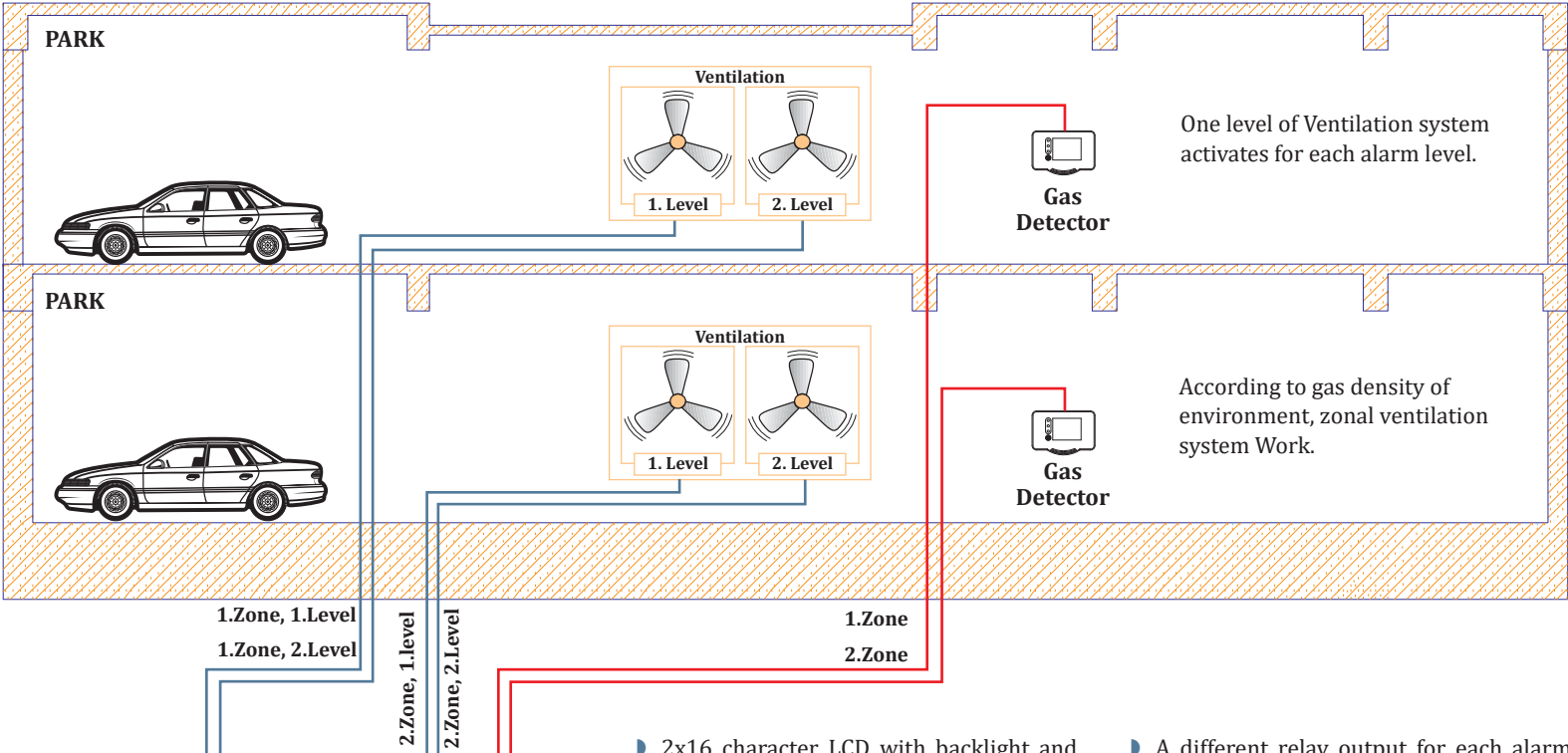
GD2R-220EC
Mavigard Carbon Monoxide Gas Detector (CO),
220V DC, 2 Alarm Level Outputs,
Electrochemical

Conventional carbon-monoxide gas detectors detect gas leakage in closed areas like home, garage etc. Gas detectors with electrochemical sensor have stable sensitivity and high performance.

Gas detectors have 2 level threshold. When the gas in the ambient reaches 50ppm, the gas detector goes into 1st level alarm. If gas concentration reaches 200ppm, the gas detector goes into 2nd level alarm. When the gas concentration in the ambient reaches below 50 ppm, the gas detector automatically turns back to its normal operating condition.

Conventional Gas Alarm Control Panel

Conventional Gas Alarm Control Panels, offering stable performance are produced by use of surface mount technology with modern exterior design and programmability.



ML-4218
Maxlogic Conventional
Gas Alarm Control Panel,
8 Zone, 16 Relay Output

- 2x16 character LCD with backlight and LED indicators for faults and system conditions.
- Possibility to easily use via few buttons on the panel
- Supervised conventional zone inputs and sounder outputs
- 2-level alarm that gas detectors detect can be shown
- 2 alarm relays (for alarm level 1 and 2) and 1 fault relay output for controlling other devices and sending signal to other systems
- Zones can be tested and disabled.
- Input delay can be assigned to zones
- A different relay output for each alarm level. For 8 zones, 16 relay outputs are available in total.
- The panel has two sounder outputs, each rated 24V DC 500 mA
- Adjustable sounder delay
- Password-protected access levels
- Some features of panel can be controlled by remote control inputs. System can be switched into alarm and fault mode, alarm mode can be deactivated and system can be reset by using the remote control inputs.
- 8 zone inputs
- Configurable latching gas alarm outputs

DETECTOR MODELS		PANEL MODELS	
Product Code	Description	Product Code	Description
GD2R-12EC	Carbon monoxide gas detector (CO), 12V DC, 2-level alarm output, electrochemical	ML-4218	Maxlogic Conventional Gas Alarm Control Panel, 8 Zone, 16 Relay Output
GD2R-24EC	Carbon monoxide gas detector (CO), 24V DC, 2-level alarm output, electrochemical		
GD2R-220EC	Carbon monoxide gas detector (CO), 230V AC, 2-level alarm output, electrochemical		

Reliable Choice
for Industrial
Applications...

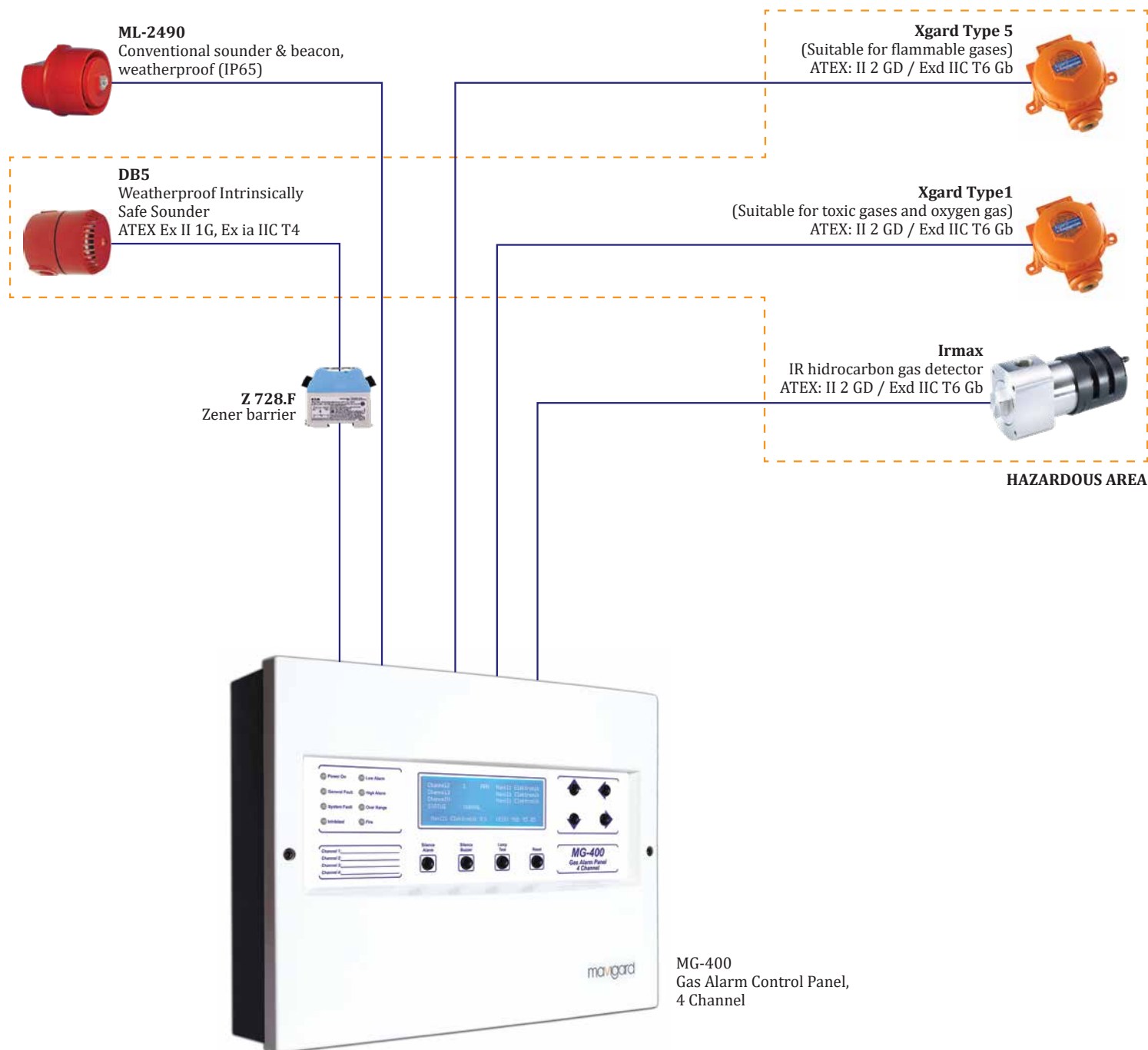
Gas Alarm Control Panel, 4 Channel

The modern design panel, offering advanced programmability and high performance with its 4 channels, is widely applicable for industrial use. Panels offer many features to integrate to automations applications.



MG-400
Gas Alarm Control Panel,
4 Channel

- ▶ The panel has 4 channels, each capable of hosting 1 industrial type gas detector or 20 conventional fire detectors.
- ▶ Large graphic 240x64 pixels LCD with adjustable backlight displays system information, including gas detector measurements, alarms and faults.
- ▶ Adjustable high and low alarm thresholds
- ▶ Sending signals to different systems via high and low alarm relays, high level fault relay, and general fault relay



- Compatible with Industrial gas detectors and 4-20 mA converter
- Desired channels can be disabled, sounder outputs and relays can be tested, gas detectors can be zeroed and calibration can be done via panel.
- It is possible to enter zone location names for panels and detectors
- Channel measurement unit can be chosen from "%LEL", "PPB", "PPM", "%VOL" or "GAS"
- High and low alarm warnings can be selected according to ambient gas density.
- Latching/non-latching relay outputs
- Relays can be set as NO or NC
- Latching/non-latching sounder outputs
- Compatible with two and three wire detectors
- Sink and source operating selection for channels
- Password access and remote control for protection against unauthorized intervention

MODELS

Product Code	Description
MG-400	Mavigard Gas Alarm Control Panel 4 Channel

Perfect Extinguishing Automation...

Conventional Fire Extinguishing Control Panel

Conventional series fire extinguishing control panel operates on cross-zone principle, has 4 detection zones and one extinguishing release output which is programmable according to the zone requirements. Conventional extinguishing control panel is microprocessor controlled, offers high performance and can easily be integrated into all extinguishing projects.



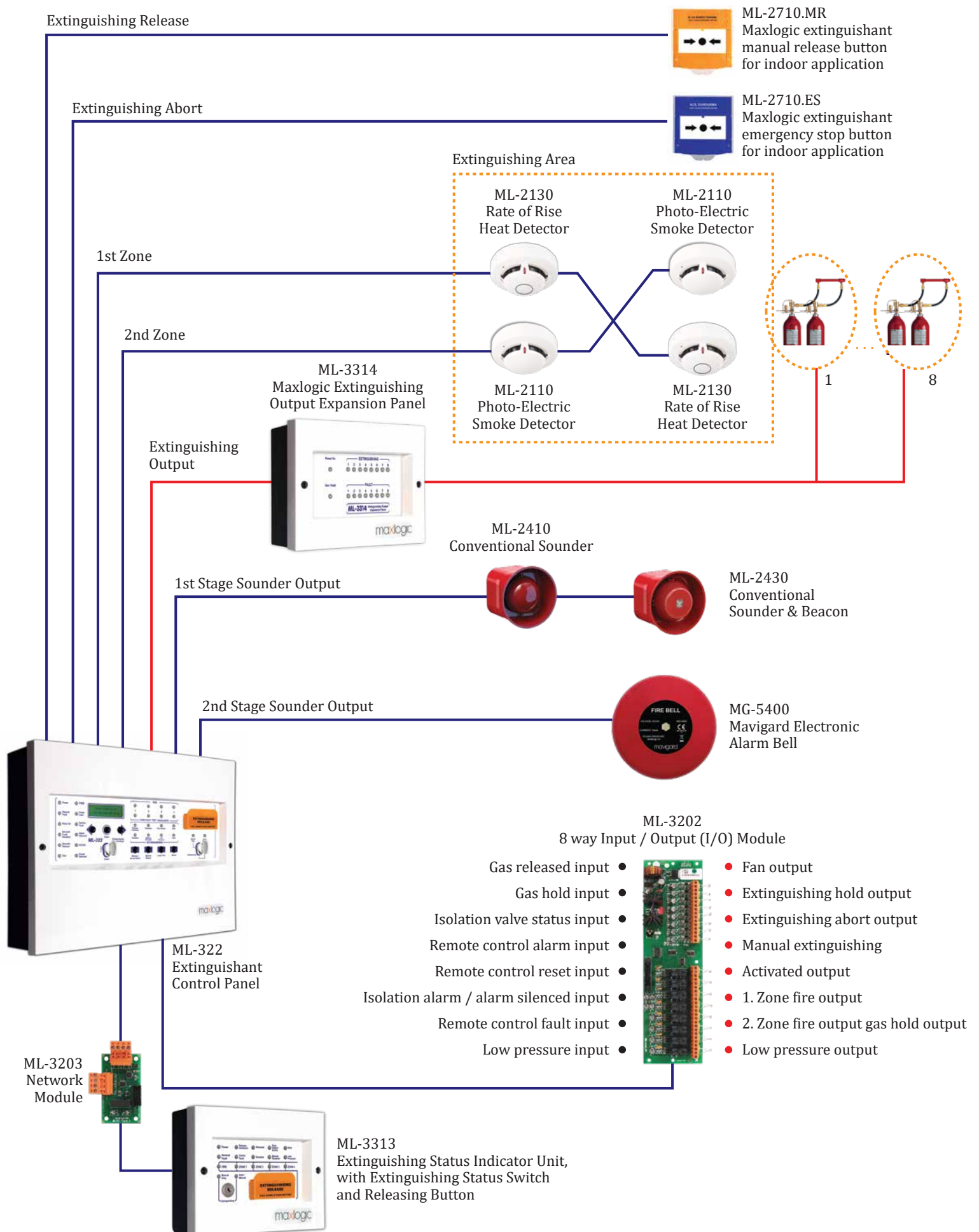
ML-322
Maxlogic Conventional 4 Zone
Control And Indicating Equipment
and 1 Flooding Zone Extinguishing
Control Panel



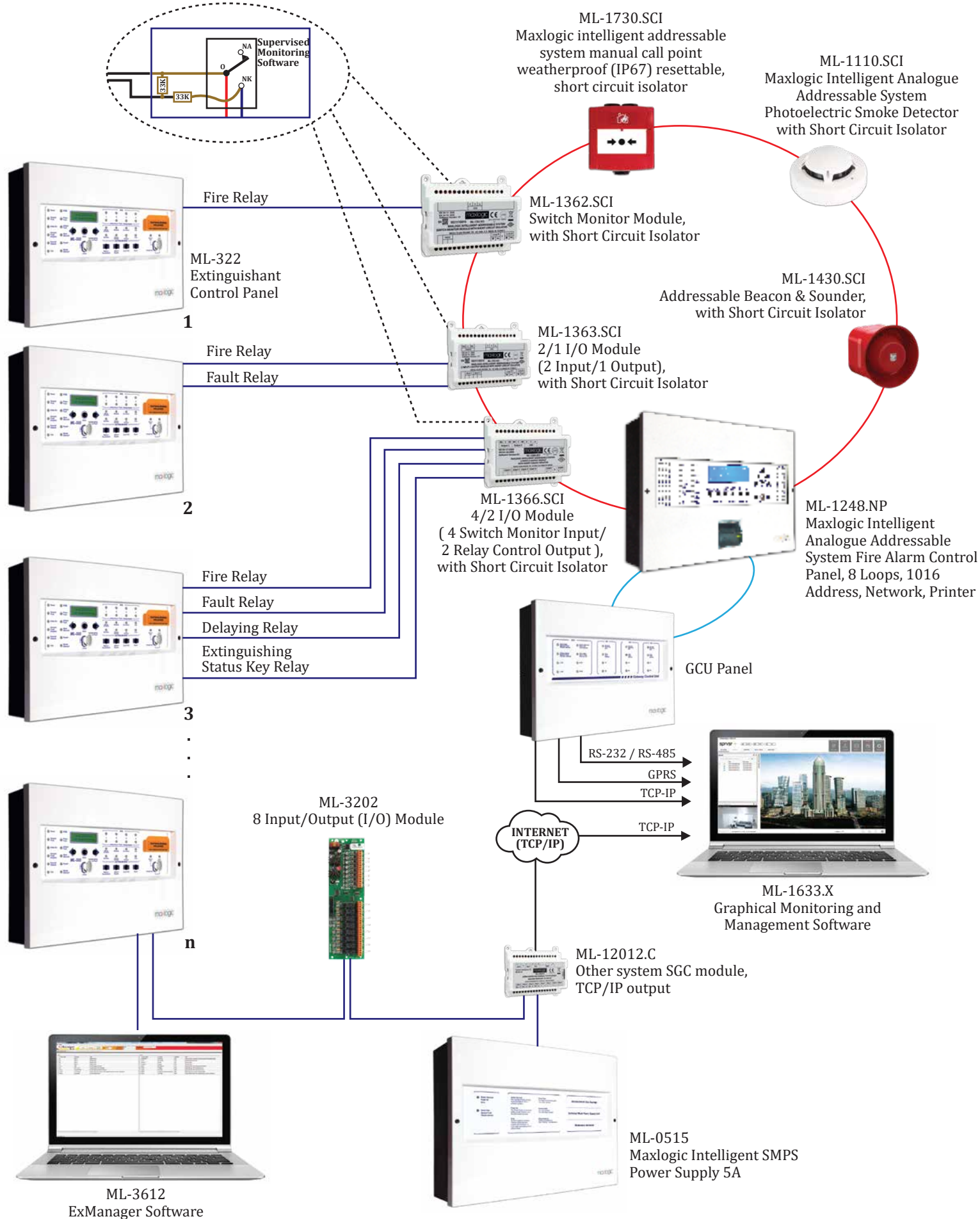
ML-3313
Maxlogic Extinguishant Status
Indicator Unit With Mode Select
and Manual Release

- Compatible with EN 12094-1, EN 54-2 and EN 54-4 standards
- 4 detection zones, 1 extinguishing zone
- Extinguishing-related front panel LEDs and LCD screen provide full system information
- Display of two warnings from two devices on the detection zones with fire zone LED
- Up to 8 pcs extinguishant condition indicator units can be connected to one pcs fire extinguishing panel

Conventional Fire Extinguishing System Diagram



Monitoring via Addressable System



Conventional Extinguishing System Accessories



ML-2410 Conventional Sounder

Maxlogic series conventional sounders provide stable performance in indoor applications and are compatible with all conventional panels.

- Compatible with EN 54-3
- Surface mount or flush mount
- Adjustable different 32 voice tone options
- Low or high voice power control
- Microprocessor controlled



ML-2710.ES Extinguishant Emergency Stop Button ML-2710.MR Extinguishant Manual Release Button

Easy to use, innovative test key designed according to EN 12094-3, advanced technology resetting function and the features of the extinguishing emergency stop button having practical accessories are below.

- Compatible with EN 12094-3
- Compatible with surface and flush mounting
- Easily resettable
- IP22D protection class



ML-3314 Extinguishing Output Expansion Panel

Extinguishing output expansion panel is used to increase the sounder output number by connecting to extinguishing output.

- Outputs can be activated as one by one according to determined delay and extinguishing time
- 8 supervised extinguishing outputs
- Determined number of extinguishig outputs are made with connecting the panels as serial



ML-2420 / ML-2430 Conventional Beacon / Sounder & Beacon

Maxlogic series conventional sounder beacon generates audible and visual signal, in addition to these features.

- Compatible with EN 54-3 and EN 54-23
- Adjustable different 32 voice tone options
- Adjustable flash frequency and coverage area
- White, strong LED flasher



ML-2110 / ML-2120 / ML-2130 / ML-2140 Conventional Photo-Electric / Fixed Heat / Rate of Rise Heat / Multi-Sensor Detectors

Ergonomic and user friendly conventional fire alarm detectors are designed for maximum protection with their stability and sensitivity.

- Compatible with EN 54-5 and EN 54-7 standards
- Twin LED indicators for 360° view
- Microprocessor controlled
- Remote indicator output
- 2 pcs red LEDs



MG-5400 Electronic Alarm Bell

Fire alarm bell is a product that can be used by all systems, from intelligent addressable fire alarm systems to conventional fire alarm systems carrying Mavigard and Maxlogic brand.

- Compatible with EN 54-3
- It generates an audible signal when it generates a warning signal in fire alarm panels and is suitable for indoor use.



- Adjustable first level delay time to sounders
- Adjustable delay time to detection zones
- Configurable delay and extinguishing time
- Non-latching zone option
- Countdown clock until the starting of extinguishing
- Fire and fault LEDs for each detection zone
- Supervised zone detection inputs, extinguishing hold input, extinguishing abort input, extinguishing activation input, low pressure input.
- Real time clock
- Supervised extinguishing output, second level sounders, gas release output
- Extinguishing mode can be changed remotely with extinguishing status key input
- Fire and fault relays
- Dry contact relay output for fire and fault
- Dry or energized contact options for outputs
- Favorable structure for integration with mechanical systems
- Cross-zone operation can be selected to be active/passive via PC software
- Up to 1000 events log memory
- Event log can be monitored via PC software
- Sending event log via RS-232 to PC or printer
- There are two extinguishing operating types; automatic and manual or manual only
- Detection zones can be tested or disabled, 1. and 2. Level relay output, extinguishing output and extinguishing abort button can be disabled
- Inputs and outputs of panel, inputs and outputs of expansion module can be programmed via special PC software. Possibility of assigning gas active, remote alarm, remote reset and many more features to the inputs

PANEL MODELS

Product Code	Detection zone	Extinguishing zone
ML-322	4	1

ACCESSORIES

Product code	Description
ML-3313	Maxlogic Extinguishant Status Indicator Unit With Mode Select And Manual Release
ML-3314	Maxlogic Extinguishing Output Expansion Panel
ML-3320	Maxlogic Fire Extinguishant Control Panel Status Transfer Unit
ML-3612	Maxlogic Exmanager Software for ML-321 / ML-322 Usage Fee (Including Converter and Communication Cable)
ML-2110	Maxlogic Conventional System Photoelectric Smoke Detector
ML-2120	Maxlogic Conventional System A1S Fixed Heat Detector
ML-2130	Maxlogic Conventional System A1R Rate of Rise Heat Detector
ML-2140	Maxlogic Conventional System Multisensor (Photoelectric Smoke + A1R Heat) Detector
ML-2130BS	Maxlogic Conventional System Class BS Heat Detector

ACCESSORIES

Product code	Description
MG-5400	Mavigard Electronic Alarm Bell
ML-2410	Maxlogic Conventional Sounder
ML-2420	Maxlogic Conventional Beacon
ML-2430	Maxlogic Conventional Sounder & Beacon
ML-2710.MR	Maxlogic Extinguishant Manual Release Button For Indoor Application
ML-2710.ES	Maxlogic Extinguishant Emergency Stop Button For Indoor Application
ML-3202	8 way Input / Output (I/O) Module For Maxlogic Conventional Extinguishing Control Panel
ML-3203	Network Module For Maxlogic Conventional Extinguishing Control Panel
ML-0710	Maxlogic Transparent Protection Cover
MLY-0237	Plastic seal, 1
MLY-0238	Plastic seal, 5-pack



Our Marine Type Systems in International Waters...

Lloyd Certified Marine Type Fire Alarm Control System

Fire detection systems are vital because of the limited possibilities of fire escape in maritime affairs, the difficulty of fire department access to the fire, and the limited manpower in terms of crew and passengers. For this reason, regardless of the type and purpose of use of the sea vehicle, it is necessary to ensure that the materials used in its construction are as non-flammable as possible and to evaluate the risks of possible fire.

Being informed about the fire as quickly as possible is the most important criterion in terms of intervention. This situation leads to the need to install a reliable fire and gas detection system manufactured in accordance with marine use.

Our marine type products have **TURKISH LOYD** (SOLAS 74, FSS) and **MED** (WHEELMARK) certificates.

Intelligent Addressable System Features

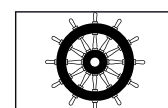
- ▶ Modular structure from 1 loop to 8 loops
- ▶ Model option with thermal printer
- ▶ Microprocessor controlled
- ▶ 1000 event log memory

Conventional System Features

- ▶ 2, 4, 8 and 16 zone capacity
- ▶ Microprocessor controlled
- ▶ Stable sensitivity
- ▶ PCB protection against to humidity and corrosion

Fire Extinguishing Control Panel

- ▶ 4 detection zones, 1 extinguishing zone
- ▶ Extinguishing-related front panel LEDs and LCD screen provide full system information
- ▶ Delay and extinguishing time can be adjusted
- ▶ Solenoid valve or actuator can be connected to the extinguishing output



Marine Series Products

The products in this section have the Turkish Loyd or / and Whellmark type approval certificate.
You can access the certificate information of our products from the list below.

Maxlogic Marine Series Addressable Fire Alarm Panels, 8 Loops

 ■ ML-123X/M	Product Code	Description	Turkish Loyd	MED
	ML-1230.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 0 Loop, Network, Marine Approved	Yes	Yes
	ML-1231/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 1 Loop, 127 Address, Marine Approved	No	Yes
	ML-1232/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 2 Loops, 254 Address, Marine Approved	Yes	Yes
	ML-1233/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 3 Loops, 381 Address, Marine Approved	No	Yes
	ML-1234/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 4 Loops, 508 Address, Marine Approved	Yes	Yes
	ML-1235/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 5 Loops, 635 Address, Marine Approved	No	Yes
	ML-1236/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 6 Loops, 762 Address, Marine Approved	Yes	Yes
	ML-1237/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 7 Loops, 889 Address, Marine Approved	No	Yes
	ML-1238/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 8 Loops, 1016 Address, Marine Approved	Yes	Yes

Maxlogic Marine Series Addressable Fire Alarm Panels, 8 Loops, Network

 ■ ML-123X.N/M	Product Code	Description	Turkish Loyd	MED
	ML-1231.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 1 Loop, 127 Address, Network, Marine Approved	No	Yes
	ML-1232.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 2 Loops, 254 Address, Network, Marine Approved	No	Yes
	ML-1233.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 3 Loops, 381 Address, Network, Marine Approved	No	Yes
	ML-1234.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 4 Loops, 508 Address, Network, Marine Approved	No	Yes
	ML-1235.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 5 Loops, 635 Address, Network, Marine Approved	No	Yes
	ML-1236.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 6 Loops, 762 Address, Network, Marine Approved	No	Yes
	ML-1237.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 7 Loops, 889 Address, Network, Marine Approved	No	Yes
	ML-1238.N/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 8 Loops, 1016 Address, Network, Marine Approved	No	Yes

Maxlogic Marine Series Addressable Fire Alarm Panels, 8 Loops, Printer

 ■ ML-124X.P/M	Product Code	Description	Turkish Loyd	MED
	ML-1241.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 1 Loops, 127 Address, Printer, Marine Approved	No	Yes
	ML-1242.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 2 Loops, 254 Address, Printer, Marine Approved	Yes	Yes
	ML-1243.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 3 Loops, 381 Address, Printer, Marine Approved	No	Yes
	ML-1244.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 4 Loops, 508 Address, Printer, Marine Approved	Yes	Yes
	ML-1245.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 5 Loops, 635 Address, Printer, Marine Approved	No	Yes
	ML-1246.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 6 Loops, 762 Address, Printer, Marine Approved	Yes	Yes
	ML-1247.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 7 Loops, 889 Address, Printer, Marine Approved	No	Yes
	ML-1248.P/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 8 Loops, 1016 Address, Printer, Marine Approved	Yes	Yes

Maxlogic Marine Series Addressable Fire Alarm Panels, 8 Loops, Printer, Network

 ■ ML-124X.NP/M	Product Code	Description	Turkish Loyd	MED
	ML-1240.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 0 Loop, Network, Printer, Marine Approved	Yes	Yes
	ML-1241.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 1 Loop, 127 Address, Network, Printer, Marine Approved	No	Yes
	ML-1242.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 2 Loops, 254 Address, Network, Printer, Marine Approved	No	Yes
	ML-1243.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 3 Loops, 381 Address, Network, Printer, Marine Approved	No	Yes
	ML-1244.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 4 Loops, 508 Address, Network, Printer, Marine Approved	No	Yes
	ML-1245.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 5 Loops, 635 Address, Network, Printer, Marine Approved	No	Yes
	ML-1246.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 6 Loops, 762 Address, Network, Printer, Marine Approved	No	Yes
	ML-1247.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 7 Loops, 889 Address, Network, Printer, Marine Approved	No	Yes
	ML-1248.NP/M	Maxlogic Intelligent Addressable System Fire Alarm Control Panel, 8 Loops, 1016 Address, Network, Printer, Marine Approved	No	Yes

Maxlogic Marine Series Addressable Fire Alarm Panels, 2 Loops

 ■ ML-122X/M	Product Code	Description	Turkish Loyd	MED
	ML-1221/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 1 Loop, 127 Address, Marine Approved	No	Yes
	ML-1222/M	Maxlogic Intelligent Addressable Fire Alarm Control Panel, 2 Loops, 254 Address, Marine Approved	No	Yes

Maxlogic Marine Series Addressable GCU (Gateway Control Unit) Panel

 ■ ML-1207.X/M	Product Code	Description	Turkish Loyd	MED
	ML-1207.C/M	Maxlogic Addressable GCU Panel, 3A Power Supply and TCP / IP Modules Included, Marine Approved	No	Yes
	ML-1207.G/M	Maxlogic Addressable GCU Panel, 3A Power Supply and GPRS Modules Included, Marine Approved	No	Yes
	ML-1207.K/M	Maxlogic Addressable GCU Panel, 3A Power Supply and RS-232 / RS-485, Internal Module, Marine Approved	No	Yes
	ML-1207.CGK/M	Maxlogic Intelligent Addressable System GCU Panel, TCP/IP, GPRS, RS232/RS485 Modules Included, Marine Approved	No	Yes
	ML-1207.B/M	Maxlogic Intelligent Addressable System GCU Panel, BACnet module included, Marine Approved	No	Yes
	ML-1207.MX/M	Maxlogic Intelligent Addressable System GCU Panel, Modbus module included, Marine Approved	No	Yes
	ML-1207.NTP/M	Maxlogic System-NTP Server Communication Module, Marine Approved	No	Yes

Maxlogic / Mavigard Marine Series Addressable Manual Call Point



Product Code	Description	Turkish Loyd	MED
ML-1710/M	Maxlogic Intelligent Analogue Addressable System Manual Call Point, Marine Approved	Yes	Yes
ML-1730/M	Maxlogic Intelligent Addressable System Manual Call Point Weatherproof (IP67) Resettable, Marine Approved	Yes	Yes
ML-1710.SCI/M	Maxlogic Intelligent Analogue Addressable System Manual Call Point With Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1730.SCI/M	Maxlogic Intelligent Addressable System Manual Call Point Weatherproof (IP67) Resettable, Short Circuit Isolator, Marine Approved	Yes	Yes
MG-8130/M	Mavigard Addressable Manual Call Point, With Isolator Module, Resettable, Marine Approved	Yes	No
ML-1720/M	Maxlogic Corded Emergency Panic Button, Marine Approved	No	Yes
ML-1720.SCI/M	Maxlogic Corded Emergency Panic Button with Short Circuit Isolator, Marine Approved	No	Yes
ML-0710/M	Maxlogic Protection Cover for Manual Call Point, Marine Approved	No	Yes

Maxlogic & Mavigard Marine Series Addressable Detectors



Product Code	Description	Turkish Loyd	MED
ML-1110/M	Maxlogic Intelligent Analogue Addressable Photo-Electric Smoke Detector, Marine Approved	Yes	Yes
ML-1120/M	Maxlogic Intelligent Addressable System A1S Fixed Temp Heat Detector, Marine Approved	No	Yes
ML-1130/M	Maxlogic Intelligent Addressable Heat Detector, Marine Approved	Yes	Yes
ML-1140/M	Maxlogic Intelligent Addressable Multisensor (Photo-Electric Smoke + Heat) Detector, Marine Approved	Yes	Yes
ML-1110.SCI/M	Maxlogic Intelligent Addressable Photo-Electric Smoke Detector with short circuit isolator, Marine Approved	Yes	Yes
ML-1120.SCI/M	Maxlogic Intelligent Addressable System A1S Fixed Temp Heat Detector with Short Circuit Isolator, Marine Approved	No	Yes
ML-1130.SCI/M	Maxlogic Intelligent Addressable Heat Detector with Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1140.SCI/M	Maxlogic Intelligent Addressable Multisensor (Photo-Electric Smoke + Heat) Detector with short circuit isolator, Marine Approved	Yes	Yes
ML-1130BS/M	Maxlogic Intelligent Addressable System BS Class Heat Detector, Marine Approved	Yes	Yes
MG-9100/M	Mavigard Intelligent Addressable Photo-Electric Smoke Detector (Marine Approved)	Yes	Yes
MG-9300/M	Mavigard Intelligent Addressable Heat Detector (Marine Approved)	Yes	Yes
MG-9400/M	Mavigard Intelligent Addressable Multisensor Detector (Photoelectric Smoke+Heat), Marine Approved	Yes	Yes

Maxlogic Marine Series Intelligent Addressable Beam Type Smoke Detector



Product Code	Description	Turkish Loyd	MED
ML-1170/M	Maxlogic Intelligent Analogue Addressable Beam Detector, Marine Approved	Yes	No
ML-1170.SCI/M	Maxlogic Intelligent Analogue Addressable Beam Detector, Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1173/M	Maxlogic Intelligent Addressable Reflective Beam Detector, (Included 1 Reflector), Marine Approved	Yes	No
ML-1173.SCI/M	Maxlogic Intelligent Addressable Reflective Beam Type Smoke Detector, c/w Short Circuit Isolator, Marine Approved	Yes	Yes
ML-0171	Maxlogic Beam Type Smoke Detector Reflector, 1 Piece Set	-	-
ML-0174	Maxlogic Beam Type Smoke Detector Reflector, 4 Piece Set	-	-

Maxlogic Marine Series Addressable Sounder and Beacon



Product Code	Description	Turkish Loyd	MED
ML-1410/M	Maxlogic Addressable Sounder, Marine Approved	Yes	Yes
ML-1410.SCI/M	Maxlogic Addressable Sounder with Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1420/M	Maxlogic Addressable Strobe, Marine Approved	Yes	No
ML-1420.SCI/M	Maxlogic Addressable Strobe with Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1430/M	Maxlogic Addressable Sounder Strobe, Marine Approved	Yes	Yes
ML-1430.SCI/M	Maxlogic Addressable Sounder Strobe with Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1440/M	Maxlogic Intelligent Addressable System Sounder, Weatherproof (IP33), Marine Approved	Yes	Yes
ML-1440.SCI/M	Maxlogic Intelligent Addressable System Sounder, Weatherproof (IP33), Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1450/M	Maxlogic Intelligent Addressable System Beacon, Weatherproof (IP33), Marine Approved	Yes	No
ML-1450.SCI/M	Maxlogic Intelligent Addressable System Beacon, Weatherproof (IP33), Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1460/M	Maxlogic Intelligent Addressable System Sounder & Beacon, Weatherproof (IP33), Marine Approved	Yes	Yes
ML-1460.SCI/M	Maxlogic Intelligent Addressable System Sounder & Beacon, Weatherproof (IP33), Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1470/M	Maxlogic Intelligent Addressable System Sounder, Weatherproof (IP65), Marine Approved	Yes	Yes
ML-1470.SCI/M	Maxlogic Intelligent Addressable System Sounder, Weatherproof (IP65), Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1480/M	Maxlogic Intelligent Addressable System Beacon, Weatherproof (IP65), Marine Approved	Yes	No
ML-1480.SCI/M	Maxlogic Intelligent Addressable System Beacon, Weatherproof (IP65), Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1490/M	Maxlogic Intelligent Addressable System Sounder & Beacon, Weatherproof (IP65), Marine Approved	Yes	Yes
ML-1490.SCI/M	Maxlogic Intelligent Addressable System Sounder & Beacon, Weatherproof (IP65), Short Circuit Isolator, Marine Approved	Yes	Yes
ML-1101/M	Maxlogic Intelligent Addressable Loop Powered Base Sounder, Marine Approved	Yes	Yes
ML-1102/M	Maxlogic Intelligent Addressable Loop Powered Base Sounder Beacon, Marine Approved	Yes	Yes
ML-1103/M	Maxlogic Intelligent Addressable Loop Powered Base Beacon	No	No

Maxlogic Marine Series Addressable Smoke Damper Control Panels



Product Code	Description	Turkish Loyd	MED
ML-1353/M	Maxlogic Intelligent Addressable System 16 way I/O Panel, Marine Approved	Yes	Yes
ML-1354/M	Maxlogic Intelligent Addressable System Smoke Damper Control Panel, 16 way I/O Module, Marine Approved	Yes	Yes
ML-1355/M	Maxlogic Intelligent Addressable System Smoke Damper Control Panel with Toggle Switch, 16way I/O Module, Marine Approved	Yes	Yes

Maxlogic / Mavigard Marine Series Addressable Control Modules



Product Code	Description	Turkish Loyd	MED
ML-1361/M	Maxlogic Adressable Relay Control Module, 1 Output, Marine Approved	Yes	Yes
ML-1361.SCI/M	Maxlogic Adressable Relay Control Module, SCI, Marine Approved	Yes	Yes
ML-1362/M	Maxlogic Adressable Switch Monitor Module, 1 Input, Marine Approved	Yes	Yes
ML-1362.SCI/M	Maxlogic Adressable Switch Monitor Module, SCI, Marine Approved	Yes	Yes
ML-1363/M	Maxlogic Adressable 2/1 I/O Module, 2 Switch Monitor, 1 Relay Output, Marine Approved	Yes	Yes
ML-1363.SCI/M	Maxlogic Adressable 2/1 I/O Module, 2 Switch Monitor, 1 Relay Output, SCI, Marine Approved	Yes	Yes
ML-1366/M	Maxlogic Adressable 4/2 I/O Module, 4 Switch Monitor, 2 Relay Output, Marine Approved	Yes	Yes
ML-1366.SCI/M	Maxlogic Adressable 4/2 I/O Module, 4 Switch Monitor, 2 Relay Output, SCI, Marine Approved	Yes	Yes
ML-1371/M	Maxlogic Interface Module, 1 Sounder Control Output, 1 Output, Marine Approved	Yes	Yes
ML-1371.SCI/M	Maxlogic Interface Module, 1 Sounder Control Output, Short Cicuit Isolator, Marine Approved	Yes	Yes
ML-1372/M	Maxlogic Interface Module, Zone Monitor Module, 1 Input, Marine Approved	Yes	Yes
ML-1372.SCI/M	Maxlogic Interface Module, Zone Monitor Module, Short Cicuit Isolator, Marine Approved	Yes	Yes
ML-1373/M	Maxlogic Interface Module, 2 Zone Monitor Inputs, 1 Sounder Control Output, Marine Approved	Yes	Yes
ML-1373.SCI/M	Maxlogic Interface Module, 2 Zone Monitor Inputs, 1 Sounder Control Output, SCI, Marine Approved	Yes	Yes
ML-1380/M	Maxlogic Addressable Short Cicuit Module, Marine Approved	Yes	Yes
ML-1390/M	Maxlogic Addressable Short Cicuit Module, Marine Approved	Yes	Yes
ML-0320/M	Maxlogic Intelligent Addressable System 2-I/O Module Protection Box, Marine Approved	No	Yes
MG-6700/M	Mavigard Intelligent Addressable Mains Relay Controller, 1 Way Output, 8A, Marine Approved	Yes	No

Maxlogic Marin Serisi Anahtarlamalı (SMPS) Güç Kaynağı Üniteleri



Product Code	Description	Turkish Loyd	MED
ML-0515/M	Maxlogic Intelligent SMPS Power Supply 5A , Marine Approved	Yes	Yes
ML-05110/M	Maxlogic Intelligent SMPS Power Supply 10A , Marine Approved	Yes	Yes

Maxlogic Marine Series SMPS Power Supply Units



Product Code	Description	Turkish Loyd	MED
ML-5020/M	Maxlogic Announce / Alarm Matrix Panel, 19", 3U Rack Mounted with Announce Power Module and Announce Output Module, Marine Approved	Yes	No
ML-1280/M	Maxlogic Addressable 7" TFT Mimic Panel, Marine Approved	Yes	Yes

Maxlogic Marine Series Intelligent Addressable System Smoke Damper Modules



Product Code	Description	Turkish Loyd	MED
ML-1356/M	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V DC, Marine Approved	No	Yes
ML-1357/M	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V AC, Marine Approved	No	Yes
ML-1358/M	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 220V AC, Marine Approved	No	Yes
ML-1356.SCI/M	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V DC, Short Circuit Isolator, Marine Approved	No	Yes
ML-1357.SCI/M	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 24V AC, Short Circuit Isolator, Marine Approved	No	Yes
ML-1358.SCI/M	Maxlogic Intelligent Addressable System Smoke Damper Module, 1 Output, 220V AC, Short Circuit Isolator, Marine Approved	No	Yes

Marine Series Accessories For Maxlogic & Mavigard Addressable Detectors



Product Code	Description	Turkish Loyd	MED
ML-0140/M	Maxlogic Detector Mounting Base, Marine Approved	Yes	Yes
ML-0141/M	Maxlogic Mounting Base With Buzzer for Maxlogic Detectors, Marine Approved	No	Yes
ML-0144/M	Maxlogic Mounting Base (B class), Marine Approved	Yes	Yes
MG-3510/M	Mavigard Intelligent Addressable Mounting Base, White, Marine Approved	Yes	Yes
MG-3520/M	Mavigard Addressable Mounting Base c/w Short Circuit Isolator, Marine Approved	No	Yes
MG-3530/M	Mavigard Mounting Base c/w Buzzer, Marine Approved	Yes	Yes
MG-3600/M	Mavigard Detector Accessories Recessed Mounting Base, Marine Approved	Yes	Yes
MG-3700/M	Mavigard Weatherproof Back Box For Fire Detectors, Marine Approved	Yes	Yes
ML-0121/M	Maxlogic Surface Mounting Back Box For Fire Detectors, Marine Approved	Yes	Yes
ML-0120/M	Maxlogic Surface Mounting Back Box, Marine Approved	No	Yes
MG-4000.A/M	Mavigard Addressable System Remote Indicator, Includes MG-4100 Mounting Box, Marine Approved	Yes	Yes
ML-0150/M	Maxlogic Accessories For Fire Detectors Recessed Mounting Base, White[Excl. Detector and Base], Marine Approved	Yes	Yes
ML-1180/M	Maxlogic Intelligent Addressable Water Leakage Dedector, Marine Approved	No	Yes
ML-1180.SCI/M	Maxlogic Intelligent Addressable Water Leakage Dedector with Short Circuit Isolator, Marine Approved	No	Yes

Maxlogic Marine Series Conventional Fire Alarm Panels



Product Code	Description	Turkish Loyd	MED
ML-22102/M	Maxlogic Conventional Fire Alarm Control Panel 2 zone, Marine Approved	Yes	Yes
ML-22104/M	Maxlogic Conventional Fire Alarm Control Panel 4 zone, Marine Approved	Yes	Yes
ML-22108/M	Maxlogic Conventional Fire Alarm Control Panel 8 zone, Marine Approved	Yes	Yes
ML-22116/M	Maxlogic Conventional Fire Alarm Control Panel 16 zone, Marine Approved	Yes	Yes
MGRP-64/M	Mavigard Conventional Repeater Panel, Marine Approved	Yes	Yes
ML-0314/M	Maxlogic Sounder Expansion Panel, Marine Approved	No	No
ML-2222/M	Maxlogic Conventional Fire Alarm Control Panel 2 zone, Marine Approved	No	Yes
ML-2224/M	Maxlogic Conventional Fire Alarm Control Panel 4 zone, Marine Approved	No	Yes
ML-2228/M	Maxlogic Conventional Fire Alarm Control Panel 8 zone, Marine Approved	No	Yes

Maxlogic Marine Series Addressable Manual Call Point



■ ML-2710/M

Product Code	Description	Turkish Loyd	MED
ML-2710/M	Maxlogic Conventional Manual Call Point, Resettable, Marine Approved	Yes	Yes
ML-2720/M	Maxlogic Conventional Manual Call Point, Resettable, NC/NO Contact, Marine Approved	No	Yes

Maxlogic / Mavigard Marine Series Conventional Detectors



■ ML-2110/M



■ ML-2140/M

Product Code	Description	Turkish Loyd	MED
ML-2110/M	Maxlogic Conventional System Photoelectric Smoke Detector, Marine Approved	Yes	Yes
ML-2120/M	Maxlogic Conventional System Heat Detector, Marine Approved	Yes	Yes
ML-2130/M	Maxlogic Conventional System A1R Rate of Rise Heat Detector, Marine Approved	Yes	Yes
ML-2140/M	Maxlogic Conventional System Multi-sensor Detector, Marine Approved	Yes	Yes
ML-2130BS/M	Maxlogic Conventional System Class BS Heat Detector with Mounting Base (ML-0144), Marine Approved	Yes	Yes
MGR-2100/M	Mavigard Conventional Photo-Electric Smoke Detector, with Relay Output, Marine Approved	Yes	Yes
MGR-2300/M	Mavigard Conventional Combined Heat (Rate of Rise) Detector, with Relay Output, Marine Approved	Yes	Yes
MGR-2400/M	Mavigard Conventional Fixed Heat Detector, with Relay Output, Marine Approved	Yes	Yes
MGR-2500/M	Mavigard Conventional Multisensor Detector (Photo-Electric Smoke + Heat) with Relay Output, Marine Approved	Yes	Yes
MGR-2400CS/M	Mavigard Conventional Fixed Heat Detector with Relay Output, 90°C, Marine Approved	No	Yes

Maxlogic Marine Series Conventional Beam Type Smoke Detector



■ ML-2173/M

Product Code	Description	Turkish Loyd	MED
ML-2170/M	Maxlogic Conventional Beam Type Smoke Dedector, Marine Approved	Yes	No
ML-2173/M	Maxlogic Conventional Reflector Beam Detector, Marine Approved	Yes	No
ML-0171	Maxlogic Beam Type Smoke Detector Reflector, 1 Piece Set	-	-
ML-0174	Maxlogic Beam Type Smoke Detector Reflector, 4 Piece Set	-	-

Maxlogic Marine Series Sounder & Beacon and Accessories



■ ML-2410/M ■ ML-2430/M



■ ML-2440/M, ML-2450/M
ML-2460/M, ML-2470/M
ML-2480/M, ML-2490/M

Product Code	Description	Turkish Loyd	MED
ML-2410/M	Maxlogic Electronic Sounder, Marine Approved	Yes	Yes
ML-2420/M	Maxlogic Conventional Beacon, Marine Approved	Yes	No
ML-2430/M	Maxlogic Conventional Sounder & Beacon,marine Approved	Yes	Yes
ML-2440/M	Maxlogic Conventional Sounder, Weatherproof (IP33), Marine Approved	Yes	Yes
ML-2450/M	Maxlogic Conventional Beacon, Weatherproof (IP33), Marine Approved	Yes	No
ML-2460/M	Maxlogic Conventional Sounder&beacon, Weatherproof (IP33), Marine Approved	Yes	Yes
ML-2470/M	Maxlogic Conventional Sounder, Weatherproof (IP65), Marine Approved	Yes	Yes
ML-2480/M	Maxlogic Conventional Beacon, Weatherproof (IP65), Marine Approved	Yes	No
ML-2490/M	Maxlogic Conventional Sounder & Beacon, Weatherproof (IP65), Marine Approved	Yes	Yes

Marine Series Accessories For Maxlogic & Mavigard Conventional Detectors



■ ML-0140/M



■ MG-3700/M

Product Code	Description	Turkish Loyd	MED
ML-0140/M	Maxlogic Detector Mounting Base, Marine Approved	Yes	Yes
ML-0141/M	Maxlogic Mounting Base With Buzzer For Maxlogic Detectors, Marine Approved	No	Yes
ML-0144/M	Maxlogic Mounting Base (B Class), Marine Approved	Yes	Yes
MG-3700/M	Mavigard Weathetproof Back Box For Fire Detectors, Marine Approved	No	Yes
ML-0121/M	Maxlogic Surface Mounting Back Box For Fire Detektors, Marine Approved	Yes	Yes
MG-3500/M	Mavigard Universal Mounting Base, White, Marine Approved	Yes	Yes
MG-3600/M	Mavigard Detector Accessories Recessed Mounting Base, Marine Approved	Yes	Yes
MG-3550/M	Mavigard Mounting Base (For MGR Series), Marine Approved	Yes	Yes
MG-3550CS/M	Mavigard Detector Mounting Base (C Class), Marine Approved	No	Yes
MG-4000/M	Mavigard Remote Indicator, Marine Approved	Yes	Yes
ML-0150/M	Maxlogic Accessories For Fire Detectors Recessed Mounting Base, White [Excl. Detector And Base], Marine Approved	Yes	Yes

Maxlogic / Mavigard Marine Series Conventional Extinguishing Control Panels



■ ML-322/M

Product Code	Description	Turkish Loyd	MED
ML-322/M	Maxlogic Conventional Fire Extinguishing Control Panel 4 Detection Zones, 1 Extinguishing Area, Manual Release Inc., Marine Approved	Yes	Yes
ML-3313/M	Maxlogic Extinguishant Status Indicator Unit With Mode Select and Manual Release, Marine Approved	Yes	Yes
ML-3314/M	Extinguishing Output Expansion Panel, Marine Approved	No	Yes
ML-2710.MR/M	Maxlogic Extinguishant Manual Release Button, Marine Approved	Yes	Yes
ML-2710.ES/M	Maxlogic Extinguishant Emergency Stop Button, Marine Approved	Yes	Yes
MG-5400/M	Mavigard Electronic Alarm Bell, Marine Approved	Yes	Yes

Mavigard Marine Series Gas Alarm Panel, 4 Channel



■ MG-400/M

Product Code	Description	Turkish Loyd	MED
MG-400/M	Mavigard MG-400 Series Gas Alarm Control Panel 4 Channel, Marine Approved	No	No

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