ML-1207.MX

MAXLOGIC INTELLIGENT ANALOGUE ADDRESSABLE SYSTEM GCU MODBUS MODULE, MARINE APPROVED

The addressable system MODBUS GCU (Gateway Control Unit) panels, offering superior and stable performance, enable integration of the Maxlogic fire alarm system with building management systems.

They allow fire detection system information to be transmitted to the MODBUS server and enable remote alarm silencing, reset, buzzer silencing, and alarm outputs to be sent from the MODBUS server to the panel.

PRODUCT FEATURES

• Compatible with EN 54-4 and EN 54-18 standards
• GCU modbus module can operate with up to 8 fire alarm control panels on the same network.
• By adding the MLY-1217.MX module to the GCU panel, 8 panels, each consisting of 16 loops, can communicate via MODBUS.
• By adding the MLY-129.MC module to the GCU panel, 63 panels, each consisting of 16 loops, can communicate via MODBUS.
• The ML-1207.MX MODBUS GCU module communicates via RS-232 (max 15m).
• Adding a second GCU module to the network of connected panels enables a redundant operation structure.
• Transmits pre-alarm, alarm, and fault events from the fire alarm system with address, zone, loop, and panel information
• Allows sending commands from the building management system to the fire alarm system, including reset, alarm, alarm silencing, and buzzer silencing.

TECHNICAL SPECIFICATION

	ML-1207.MX
Relative Humidity	%95 (non-condensing at +40°)
Operating Temperature	(-10°C) – (+50°C)
Storage Temperature	(-30°C) – (+60°C)
Main Supply	230V AC 50 Hz (5A glass fuse)
Battery	2 x (12V 7 Ah)

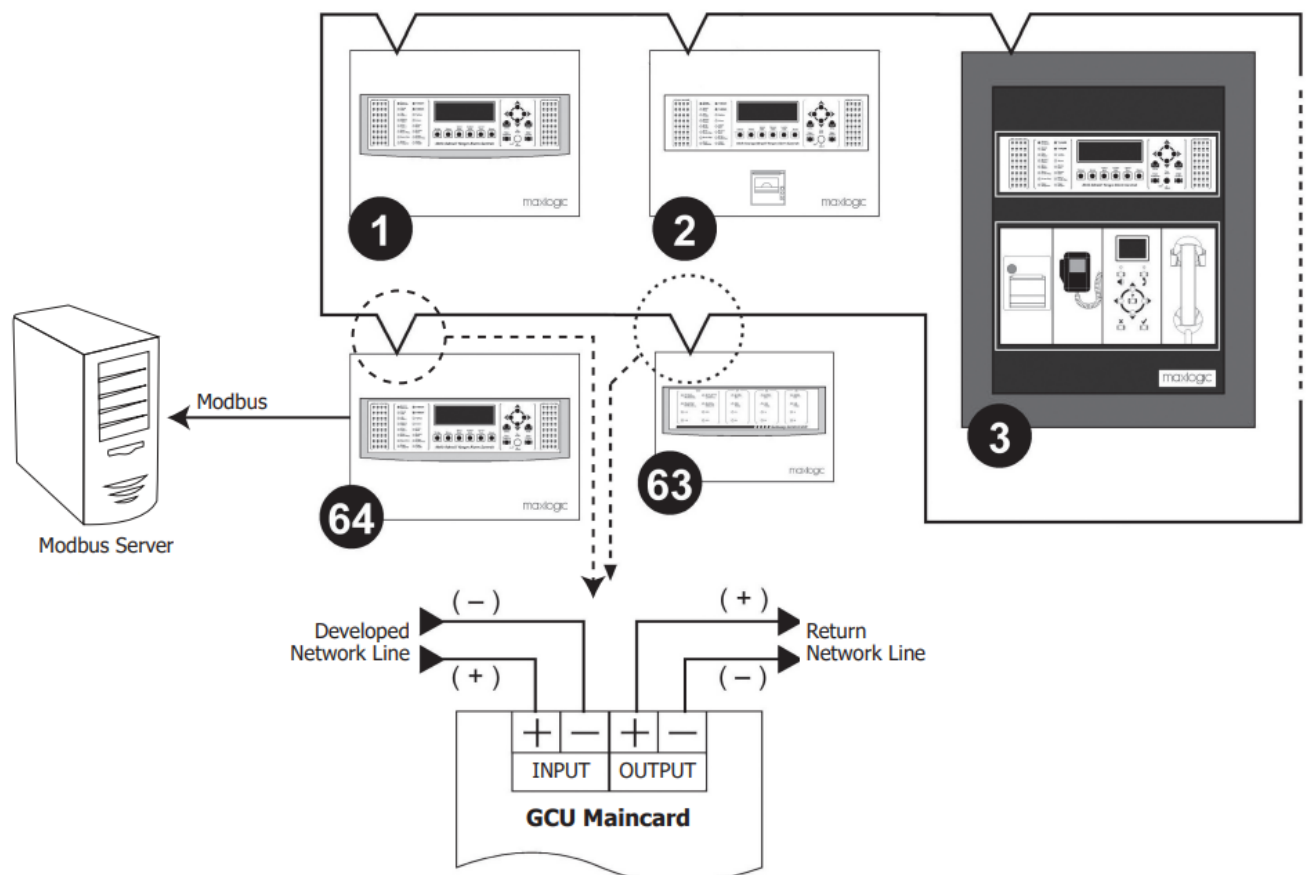|	
Enclosure Material	1 mm sheet steel
Finish	Epoxy Paint
Mounting Type	Surface, flush
Standard Color	Grey metal enclosure , white panel front
Dimensions	400 x 300 x 100 mm
Weight	max.6,200 kg
Protection Level	IP30

MODLES

Product Code	Description
ML-1207.MX	Maxlogic Intelligent Analogue Addressable System GCU Modbus Module, Marine Approved

OPTIOANL PRODUCTS

Product Code	Description
MLY-1207.MX	Modbus Expansion Card (8 Panels,16 loops)
MLY-1219.MX	Modbus Expansion Card (63 Panels,16 loops)

CONNECTION DIAGRAM

ML-1207.B

MAXLOGIC INTELLIGENT ADDRESSABLE SYSTEM GCU BACNET MODULE

The addressable system **BACnet** GCU (Gateway Control Unit) panels, featuring **superior and stable operating performance**, are designed to enable the integration of the Maxlogic fire alarm system with **Building Management Systems (BMS)**. They allow the transmission of information from the fire detection system (**Fire, Fault, Normal, and Disable statuses**) to the BACnet Server, and also enable remote control of the fire alarm control panel via the BACnet Server, including **Alarm Silence, Reset, Buzzer Silence, and Alarm** activation commands.

PRODUCT FEATURES

- Complies with **EN 54-4 and EN 54-18** standards
- Each GCU module can **operate on the same network with up to 1–63 fire alarm control panels**
- Capable of monitoring a large-scale fire alarm system consisting of networked panels, each supporting **up to 16 loops**, with **127 devices per loop** (supports up to **64 × 16 × 127 = 130,048** objects)
- **Communicates with the SCADA system** via the **BACnet/IP protocol** over CAT6 cable and Ethernet switch
- Allows monitoring of **Fire, Alarm, Fault, and Disable conditions** in the fire alarm system **by Address, Zone, Loop, and Panel level**
- Enables sending of **Alarm Silence, Reset, Buzzer Silence, and Alarm** activation commands from the Building Management System (BMS) to the fire alarm system

	ML-1207.B
Relative Humidity	%95 (non-condensing at +40°)
Operating Temperature	(-10°C) – (+50°C)
Storage Temperature	(-30°C) – (+60°C)
Main Supply	230V AC 50 Hz (5A glass fuse)
Battery	2 x (12V 7 Ah)
Enclosure Material	1 mm sheet steel
Finish	Epoxy Paint
Mounting Type	Surface, flush
Standard Color	Grey metal enclosure , white panel front
Dimensions	400 x 300 x 100 mm
Weight	max.6,200 kg
Protection Level	IP30

Building Management System

Loop Manager+ Software

Ethernet Splitter

Network 1

Network System

ML-125X.NPTA

1 ML-123X

2

64

ML-123X

ML-124X.P

63

62

Network Line INPUT

(-)

(+)

ML-1207.B Network (+)

ML-1207.B Network (-)

(+) Network Line OUTPUT

(-)

+ − + −

IN. OUT.

ML-12015 Network Card