

# Safe Choices in Industrial Fields...



## Industrial Gas Detection and Alarm Systems

It consists of gas detection and alarm control panels and detectors with superior and stable performance, specifically designed for high-risk areas, featuring sensitive characteristics. It offers a range of features suitable for automation applications, coupled with outstanding operational performance.

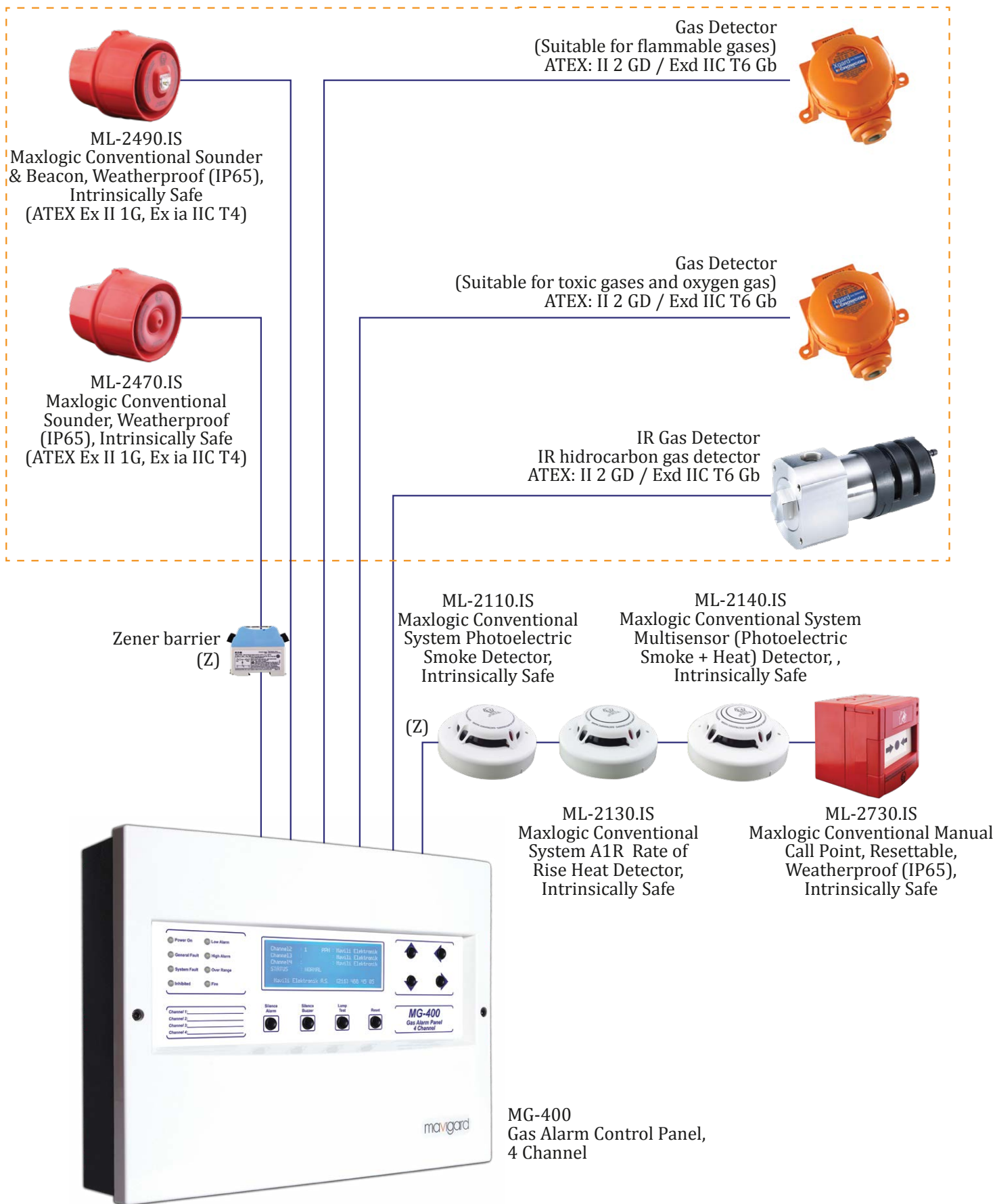


- ▶ 4 Channel Input
  - ▶ Gas level, alarm, and fault status for each channel can be monitored through a 240x64 adjustable brightness graphical LCD screen and LED indicators.
  - ▶ Setting upper and lower alarm threshold levels
  - ▶ Signaling to different systems with upper and lower alarm relays, high-level fault relay, and general fault relay outputs
  - ▶ Ability to connect an industrial gas detector or up to 20 conventional detectors to each channel output
  - ▶ Remote Control feature
  - ▶ Ability to assign location names to the control panel and detector
  - ▶ Lockable and unlockable sounder outputs
  - ▶ Compatible with two-wire and three-wire detectors
  - ▶ Configurable channel operation as sink or source
- 
- ▶ Suitable for use with industrial gas and ATEX-certified fire detectors and compatible with 4-20mA converter cards
  - ▶ Ability to block specific channels, test sounders and relays, reset gas detectors, and calibrate them from the panel
  - ▶ Access password and remote control feature to prevent unauthorized access to program settings.

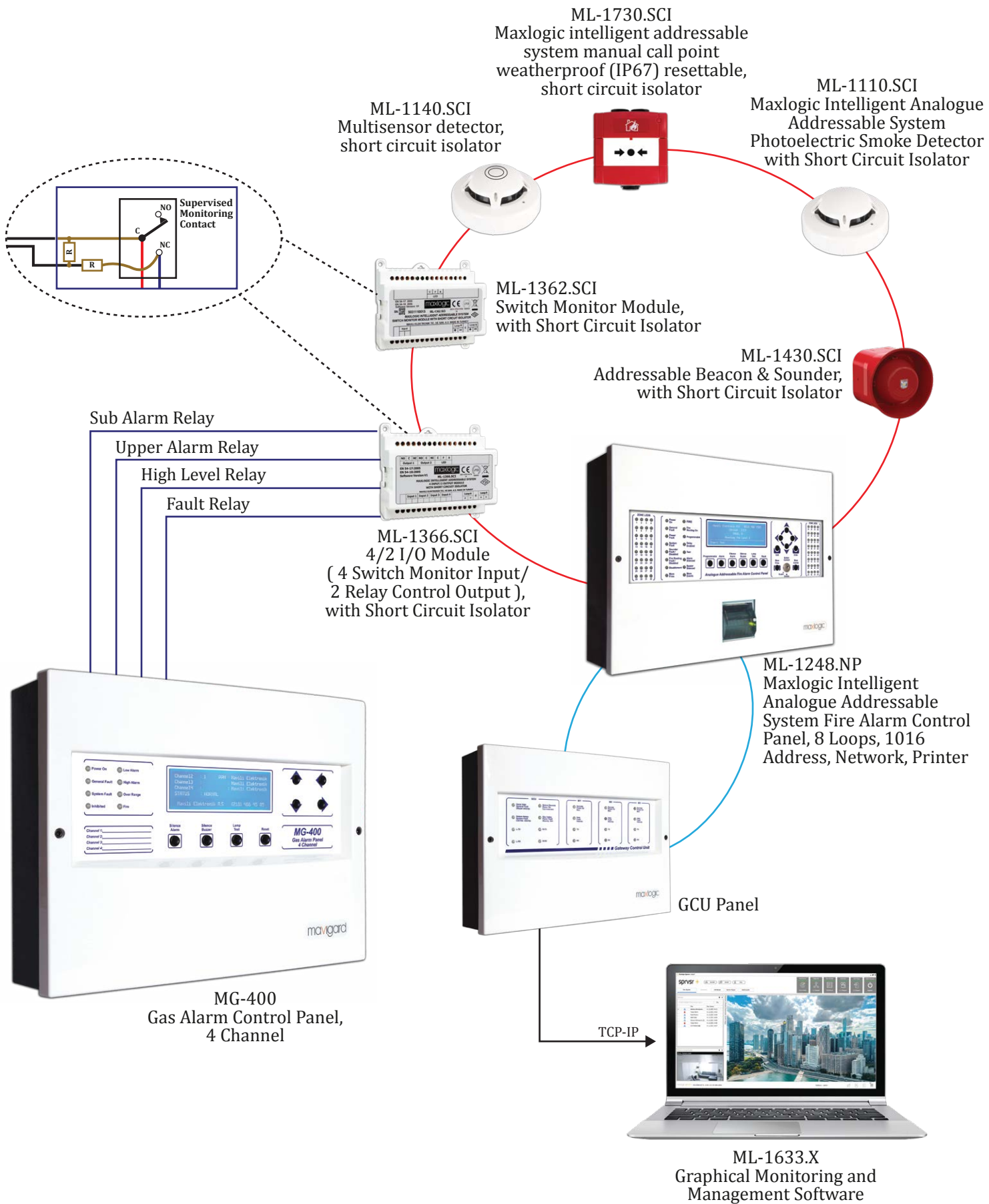
maxlogic & mavigard  
fire and gas detection systems

# Industrial Gas Detection System Diagram

**Hazardous Area**



# Monitoring via Addressable System





# Intrinsically Safe Conventional Fire Detectors

ML-2110.IS  
Maxlogic Conventional System  
Photoelectric Smoke Detector,  
Intrinsically Safe

ML-2140.IS  
Maxlogic Conventional System  
Multisensor (Photoelectric Smoke +  
Heat) Detector, Intrinsically Safe



ML-2130.IS  
Maxlogic Conventional System A1R  
Rate of Rise Heat Detector,  
Intrinsically Safe

- ▶ Intrinsically Safe (I.S) for use in hazardous environments, compliant with EN IEC 60079-0:2018, EN 60079-11:2012, and EN ISO/IEC 80079-34:2020 standards
- ▶ Compliant with EN 54-5 and EN 54-7 standards
- ▶ IP 20 protection degree
- ▶ 2 red LEDs (Constantly on in the event of an alarm), during normal operation, it flashes once every 8 seconds (for 1ms), and in the case of a fault (contamination or measurement error), it flashes twice
- ▶ Dual LEDs with a 360° viewing angle, parallel indicator lamp output
- ▶ Compatible with ML-0140.IS series detector bases

# Intrinsically Conventional Call Points



ML-2710.IS  
Maxlogic Conventional  
Manual Call Point,  
Resettable, Intrinsically Safe

ML-2730.IS  
Maxlogic Conventional Manual  
Call Point, Resettable,  
Weatherproof (IP65),  
Intrinsically Safe



- ▶ Compliant with ATEX Directive EN IEC 60079-0:2018, EN 60079-11:2012, and EN ISO/IEC 80079-34:2020 standards
- ▶ Designed in accordance with EN 54-11 standard
- ▶ ML-2710.IS designed according to ATEX Ex II 1G EX ia IIC T4 Ga classification with  $-10^{\circ}\text{C} \leq \text{Ta} \leq 55^{\circ}\text{C}$
- ▶ ML-2730.IS designed according to ATEX Ex II 1G EX ia IIC T4 Ga classification with  $-25^{\circ}\text{C} \leq \text{Ta} \leq 70^{\circ}\text{C}$
- ▶ ML-2710.IS suitable for use in Category 1, 2, or 3 hazardous atmosphere environments and indoor areas up to 55°C
- ▶ ML-2730.IS suitable for use in Category 1, 2, or 3 hazardous atmosphere environments and outdoor areas up to 70°C
- ▶ IP65 protection degree
- ▶ Ease of returning to the initial position by resetting

# Intrinsically, Weatherproof Conventional Sounder / Beacon / Sounder Beacon



ML-2470.IS  
Maxlogic Conventional Sounder,  
Weatherproof (IP65),  
Intrinsically Safe

ML-2490.IS  
Maxlogic Conventional  
Sounder & Beacon,  
Weatherproof (IP65),  
Intrinsically Safe



- ▶ Compliant with ATEX Directive, EN IEC 60079-0:2018, EN 60079-11:2012, and EN ISO/IEC 80079-34:2020 standards
- ▶ Compliant with EN 54-3 and EN 54-23 standards
- ▶ Designed according to ATEX Ex II 1G EX ia IIC T4 Ga classification, with an operating temperature range of  $-25^{\circ}\text{C} \leq \text{Ta} \leq 70^{\circ}\text{C}$
- ▶ Suitable for use in hazardous atmospheres of Category 1, 2, or 3 with temperatures up to 70°C
- ▶ IP65 protection rating
- ▶ Equipped with 32 distinct sound tones. Sound tones and their high/low settings can be adjusted via dip switche
- ▶ Audible, visual, or combined fire alarm notifications from control panels

## PANEL MODELS

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

## INTRINSICALLY SOUNDER MODELS

Product Code	Description
ML-2470.IS	Maxlogic Conventional Sounder, Weatherproof (IP65), Intrinsically Safe
ML-2480.IS	Maxlogic Conventional Beacon, Weatherproof (IP65), Intrinsically Safe
ML-2490.IS	Maxlogic Conventional Sounder & Beacon, Weatherproof (IP65), Intrinsically Safe

## INTRINSICALLY DETECTOR MODELS

Product Code	Description
ML-2110.IS	Maxlogic Conventional System Photoelectric Smoke Detector, Intrinsically Safe
ML-2120.IS	Maxlogic Conventional System A1S Fixed Heat Detector
ML-2130.IS	Maxlogic Conventional System A1R Rate of Rise Heat Detector, Intrinsically Safe
ML-2140.IS	Maxlogic Conventional System Multisensor (Photoelectric Smoke + Heat) Detector, Intrinsically Safe
ML-0140.IS	Maxlogic Detector Mounting Base, Intrinsically Safe

## INTRINSICALLY CALL POINTS MODELS

Product Code	Description
ML-2710.IS	Maxlogic Conventional Manual Call Point, Resettable, Intrinsically Safe
ML-2730.IS	Maxlogic Conventional Manual Call Point, Resettable, Weatherproof (IP65), Intrinsically Safe

