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.

All marine products have, **TURK LLOYD** (SOLAS 74 and FSS), **WHEELMARK** and **IACS** (International Association of Classification Societies Ltd.) member **"Russian Maritime Register of Shipping"** type approval certificate.

Intelligent Addressable System Features

- Modular structure from 1 loop to 8 loops
- Model option with thermal printer
- 1000 event log memory
- Up to 1000 cause-effect scenarios can be created for each panel

Conventional System Features

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

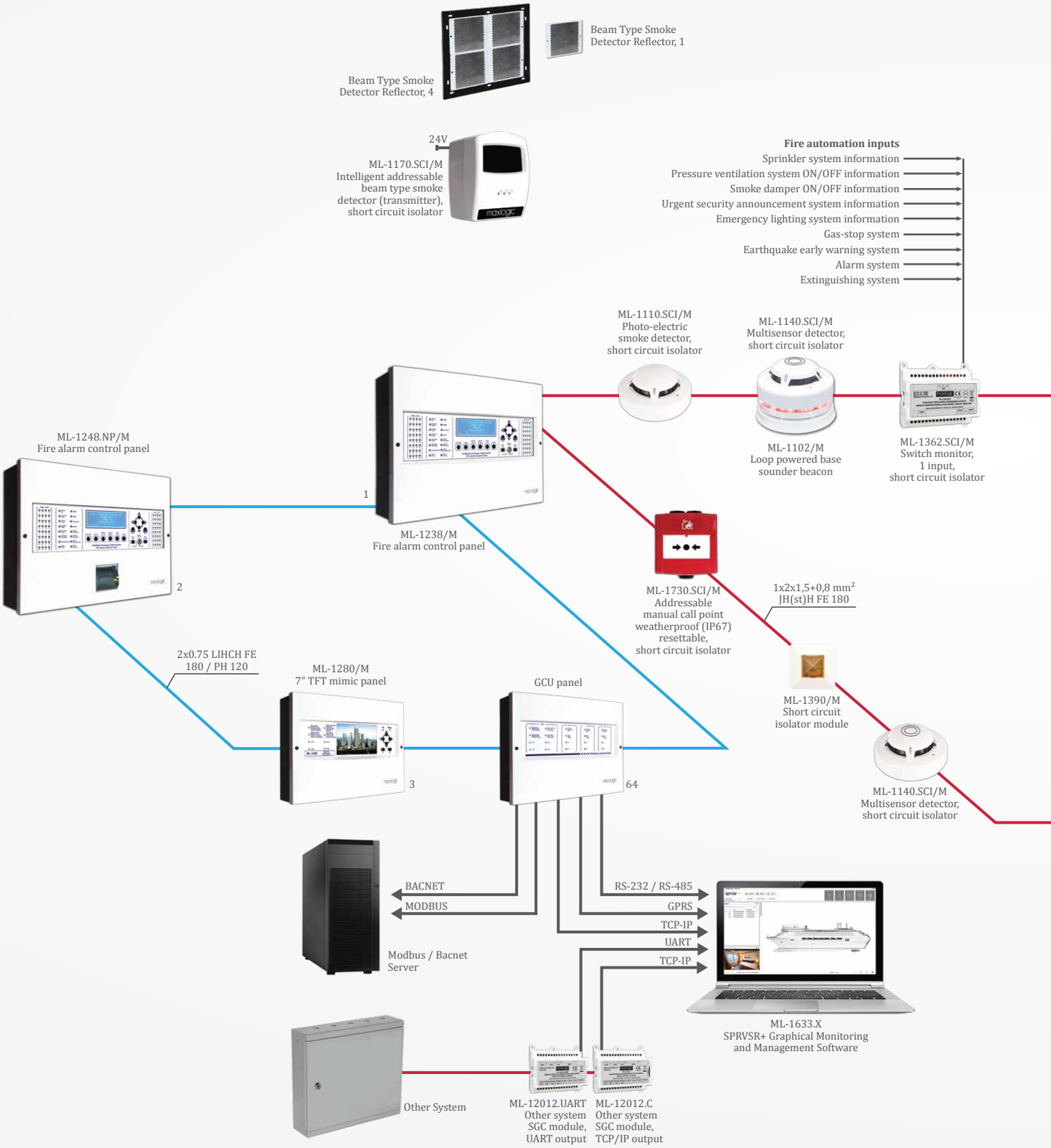
Fire Extinguishing Control Panel

- 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
- Selenoid valve or actuator can be connected to the extinguishing output

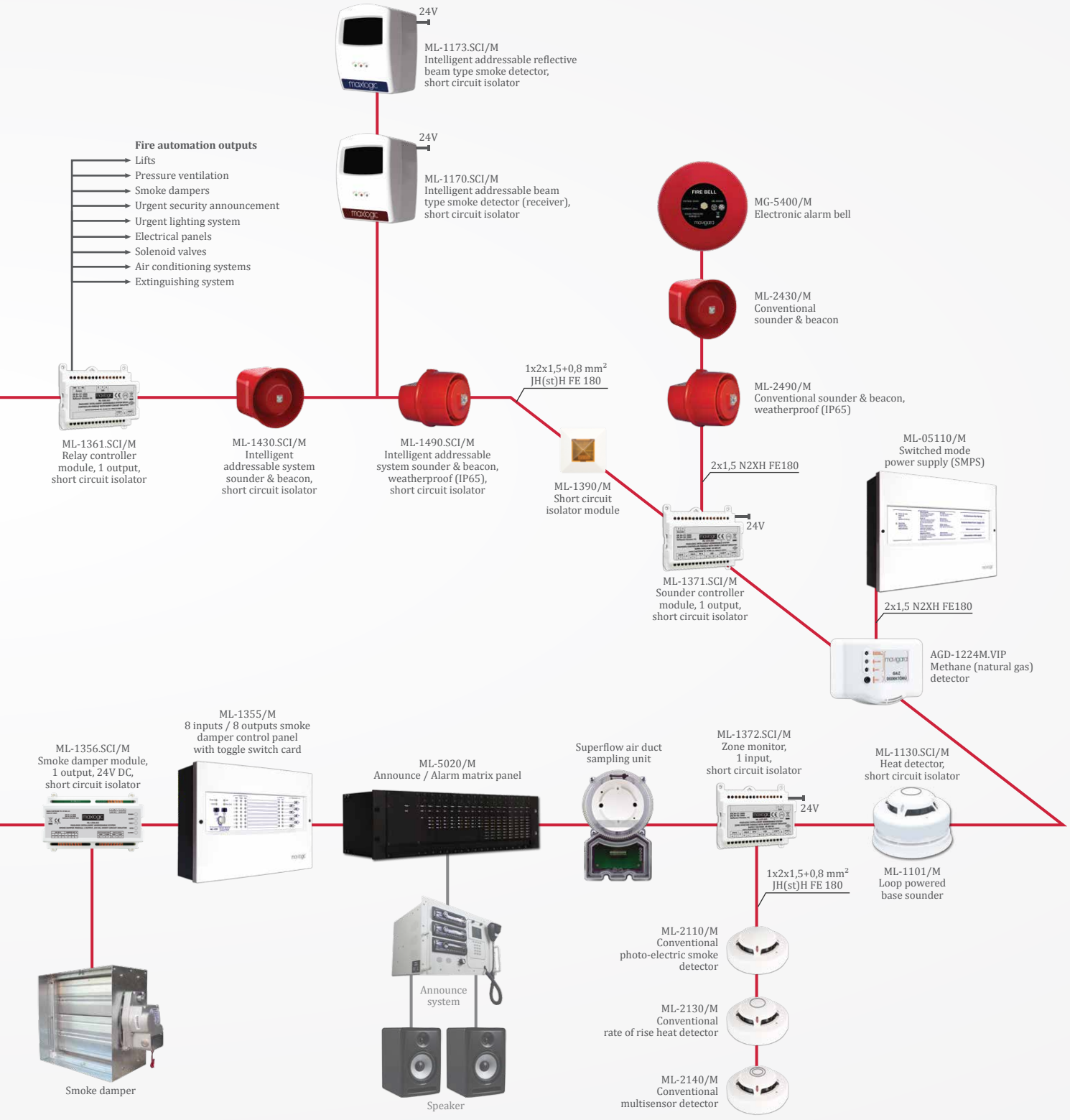
maxlogic & mavigard

fire and gas detection systems

Intelligent Addressable Fire Alarm System Diagram

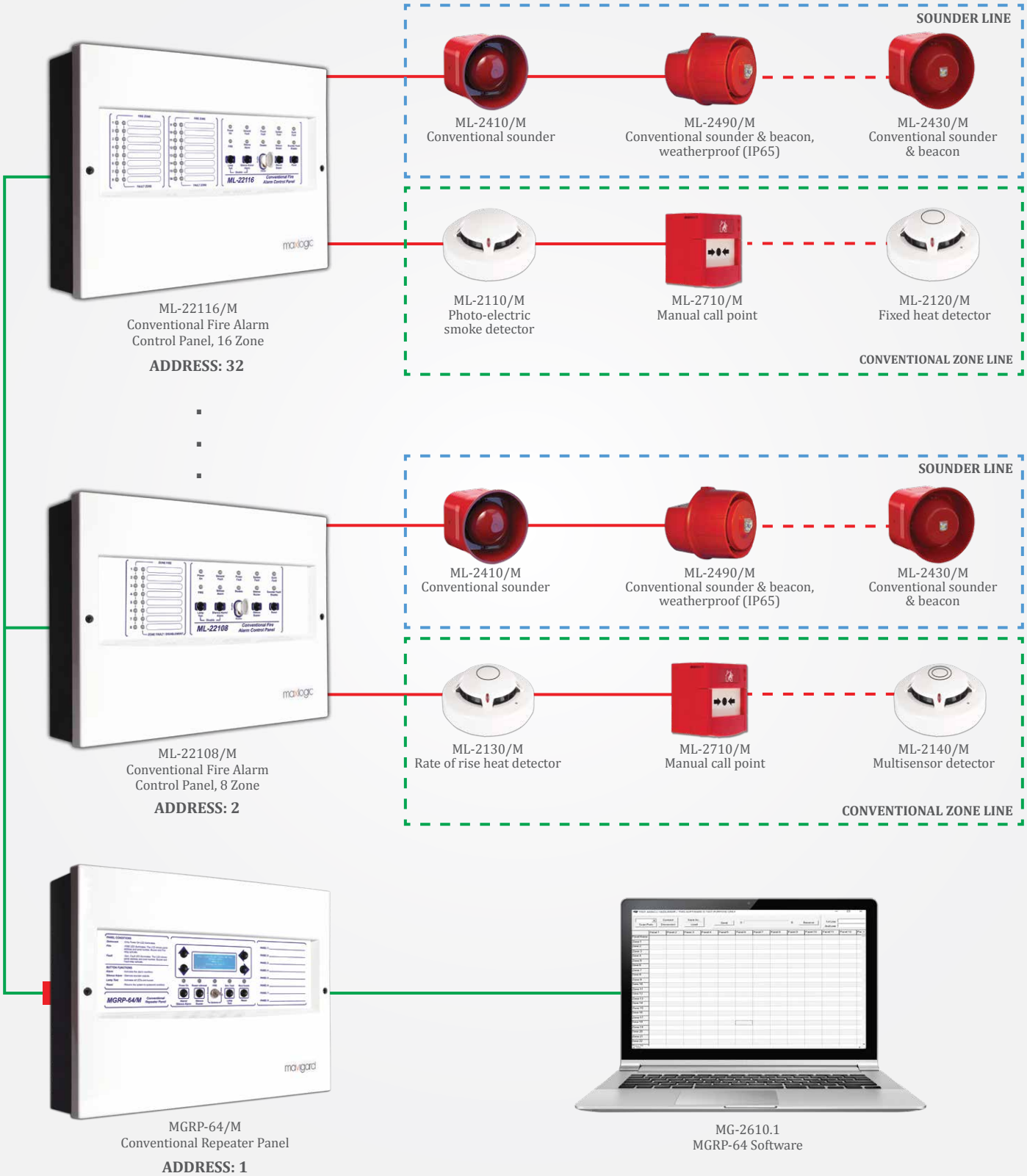


- Up to 64 panels and/or repeater panels can be assembled with CAN protocol into a network.
- By the help of this feature, Maxlogic & Mavigard system is used easily in big buildings, hospitals, universities etc. projects.
- Max. 130.048 devices can be used in Maxlogic Addressable Fire Detection System.



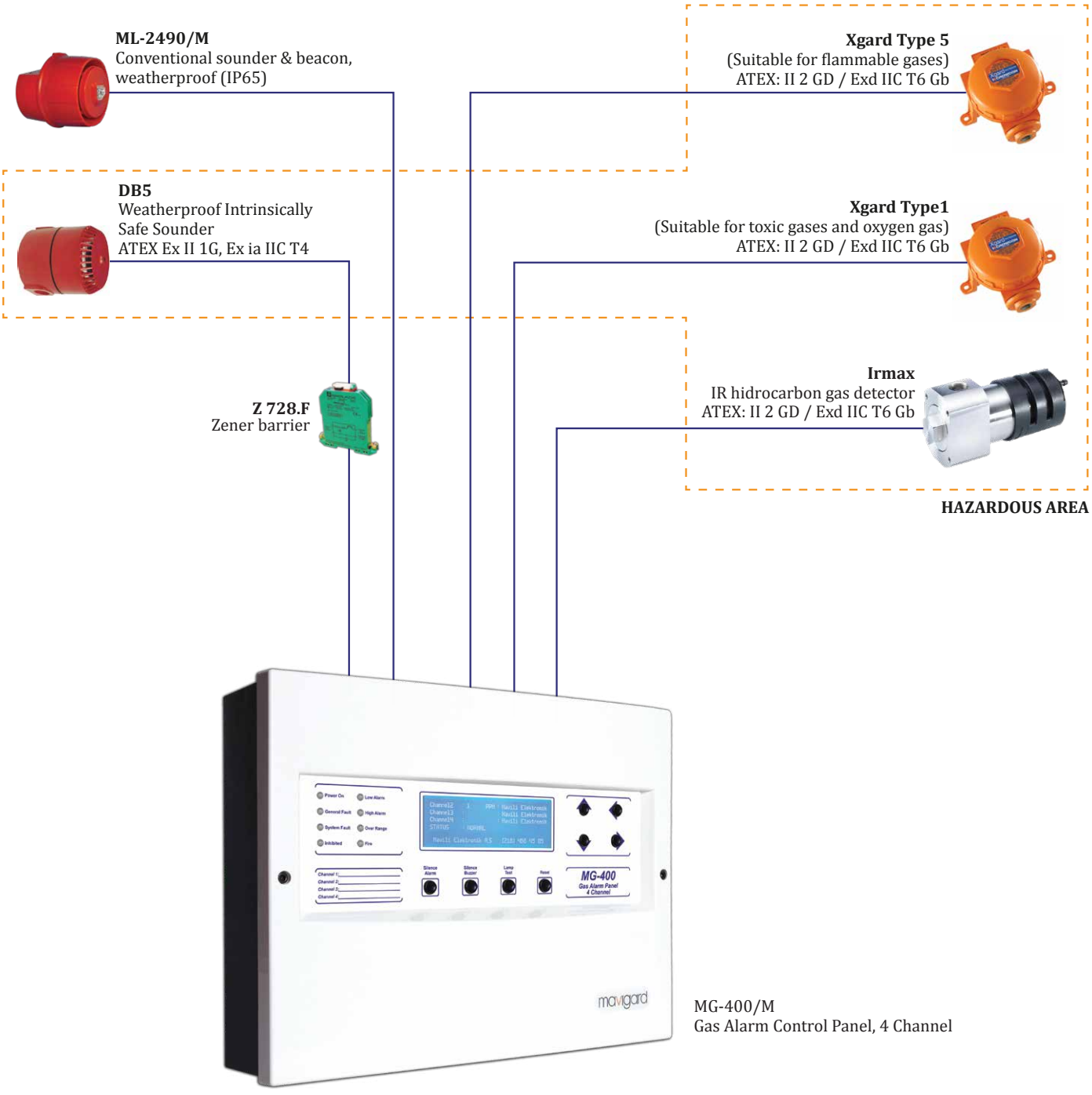
- Events can be monitored from any panel in Network.
- Controlling all other panels from any panel.
- Creating cause-effect scenarios between devices that is connected to panels in network.

Conventional Fire Alarm System Diagram



- 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 thorugh zone disable and sounder disable features
- Stable sensitivity
- Protection from electromagnetic interferences

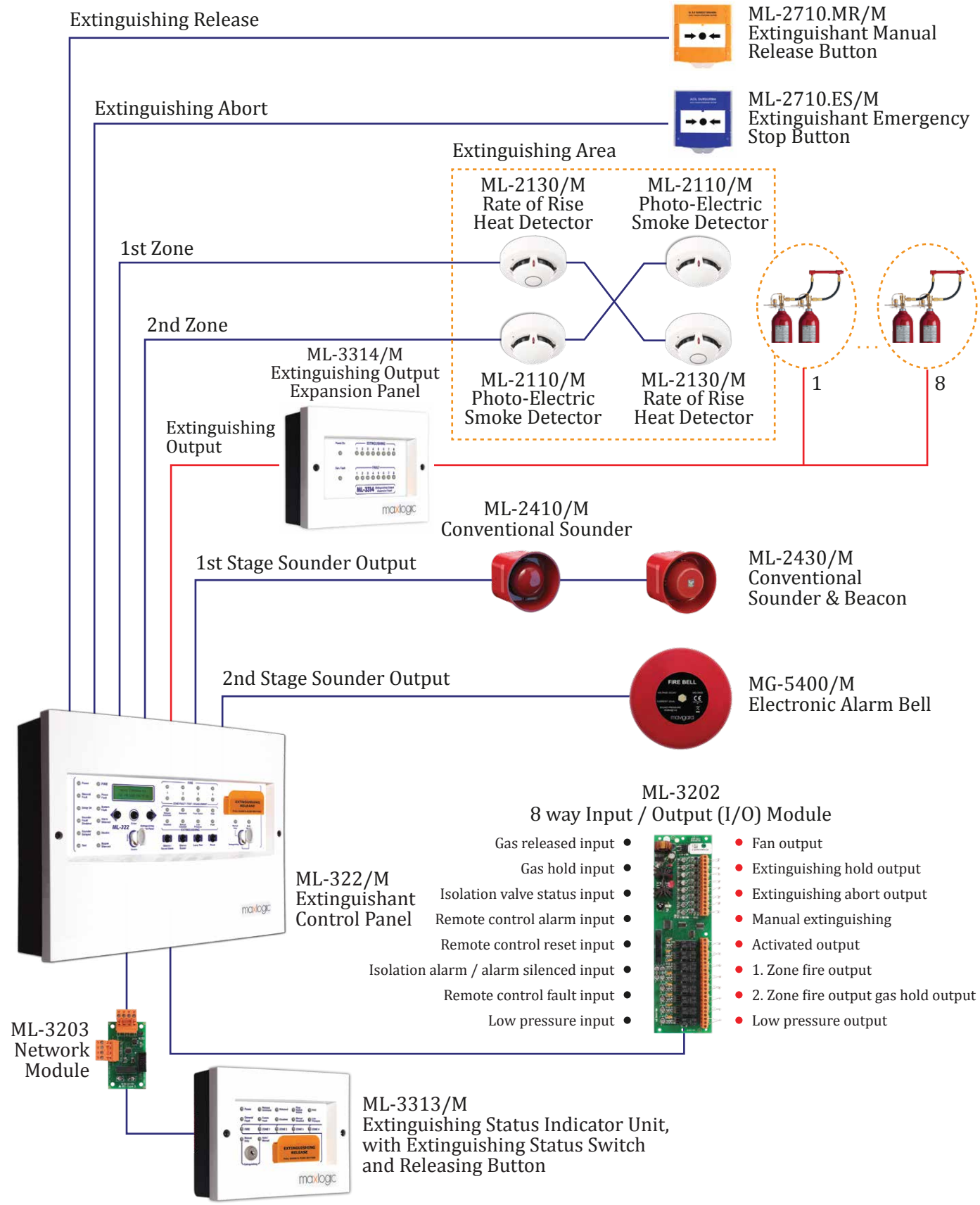
Gas Alarm Control Panel System Diagram



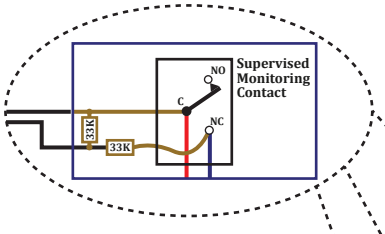
MG-400/M
Gas Alarm Control Panel, 4 Channel

- 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

Conventional Fire Extinguishing System Diagram



Monitoring via Addressable System



ML-1730.SCI/M
Addressable manual call point
weatherproof (IP67) resettable,
short circuit isolator

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

Fire Relay

ML-322/M
Extinguishant
Control Panel

1

ML-1362.SCI/M
Switch monitor, 1 input,
short circuit isolator

ML-1430.SCI/M
Sounder & beacon,
short circuit isolator

Fire Relay

Fault Relay

ML-1363.SCI/M
2/1 I/O module
(2 inputs / 1 output),
with short circuit isolator

2

ML-1366.SCI/M
4/2 I/O module
(4 inputs / 2 outputs),
with short circuit
isolator

ML-1248.NP/M
Yangın Alarm
Santrali

Fire Relay

Fault Relay

Delaying Relay

Extinguishing
Status Key Relay

3

GCU Panel

. . .

n

ML-3202
8 way Input / Output (I/O) Module

RS-232 / RS-485

GPRS

TCP-IP

INTERNET
(TCP/IP)

TCP-IP

ML-1633.X
SPRVSR+ Graphical Monitoring
and Management Software

ML-12012.C
Other system SGC module,
TCP/IP output

ML-3612
Ex Manager Software

ML-0515/M
Switched mode
power supply (SMPS)

Certificate Status of Our Marin Series Products

Maxlogic Marine Series Intelligent Addressable Fire Alarm Control Panels, 8 Loops

■ ML-123X/M

Product code	Description	Loyd	IACS	MED
ML-1230.N/M	Fire Alarm Panel, 0 Loop, Marine Approved	Yes	Yes	Yes
ML-1231/M	Fire Alarm Panel, 1 Loops, 127 Address, Marine Approved	No	Yes	Yes
ML-1232/M	Fire Alarm Panel, 2 Loops, 254 Address, Marine Approved	Yes	Yes	Yes
ML-1233/M	Fire Alarm Panel, 3 Loops, 381 Address, Marine Approved	No	Yes	Yes
ML-1234/M	Fire Alarm Panel, 4 Loops, 508 Address, Marine Approved	Yes	Yes	Yes
ML-1235/M	Fire Alarm Panel, 5 Loops, 635 Address, Marine Approved	No	Yes	Yes
ML-1236/M	Fire Alarm Panel, 6 Loops, 762 Address, Marine Approved	Yes	Yes	Yes
ML-1237/M	Fire Alarm Panel, 7 Loops, 889 Address, Marine Approved	No	Yes	Yes
ML-1238/M	Fire Alarm Panel, 8 Loops, 1016 Address, Marine Approved	Yes	Yes	Yes

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

■ ML-123X.N/M

Product code	Description	Loyd	IACS	MED
ML-1231.N/M	Fire Alarm Panel, 1 Loops, 127 Address, Network, Marine Approved	No	Yes	Yes
ML-1232.N/M	Fire Alarm Panel, 2 Loops, 254 Address, Network, Marine Approved	No	Yes	Yes
ML-1233.N/M	Fire Alarm Panel, 3 Loops, 381 Address, Network, Marine Approved	No	Yes	Yes
ML-1234.N/M	Fire Alarm Panel, 4 Loops, 508 Address, Network, Marine Approved	No	Yes	Yes
ML-1235.N/M	Fire Alarm Panel, 5 Loops, 635 Address, Network, Marine Approved	No	Yes	Yes
ML-1236.N/M	Fire Alarm Panel, 6 Loops, 762 Address, Network, Marine Approved	No	Yes	Yes
ML-1237.N/M	Fire Alarm Panel, 7 Loops, 889 Address, Network, Marine Approved	No	Yes	Yes
ML-1238.N/M	Fire Alarm Panel, 8 Loops, 1016 Address, Network, Marine Approved	No	Yes	Yes

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

■ ML-124X.P/M

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

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

■ ML-124X.NP/M

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

Maxlogic Marine Series Intelligent Addressable Fire Alarm Control Panels, 2 Loops

■ ML-122X/M

Product code	Description	Loyd	IACS	MED
ML-1221/M	Intelligent Addressable Fire Alarm Control Panel, 1 Loop, 127 Address, Marine Approved	No	Yes	Yes
ML-1222/M	Intelligent Addressable Fire Alarm Control Panel, 2 Loops, 254 Address, Marine Approved	No	Yes	Yes

Maxlogic Marine Series Intelligent Addressable System GCU (Gateway Control Unit) Panel

■ ML-1207.X/M

Product code	Description	Loyd	IACS	MED
ML-1207.C/M	GCU Panel, TCP/IP Module Included, Marine Approved	No	Yes	Yes
ML-1207.G/M	GCU Panel, GPRS Module Included, Marine Approved	No	Yes	Yes
ML-1207.K/M	GCU Panel, RS-232/RS-485 Module Included, Marine Approved	No	Yes	Yes
ML-1207.CGK/M	GCU Panel, TCP/IP, GPRS, RS-232/RS-485 Modules Included, Marine Approved	No	Yes	Yes
ML-1207.B/M	GCU Panel, Bacnet Module Included, Marine Approved	No	Yes	Yes
ML-1207.MX/M	GCU Panel, Modbus Module Included, Marine Approved	No	Yes	Yes
ML-1207.NTP/M	NTP Server Communication Module, Marine Approved	No	Yes	Yes

Maxlogic Marine Series Addressable Smoke Damper Control Panels

■ ML-1355/M

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

Maxlogic / Mavigard Marine Series Addressable Manual Call Point

ML-1710/M

ML-1730/M

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

Maxlogic & Mavigard Marine Series Addressable Detectors

ML-1110/M

ML-1140/M

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

Maxlogic Marine Series Intelligent Addressable Beam Type Smoke Detector

ML-1170.SCI/M

ML-1173.SCI/M

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

ML-1410/M ML-1430/M

ML-1440/M, ML-1450/M
ML-1460/M, ML-1470/M
ML-1480/M, ML-1490/M

ML-1101/M

ML-1102/M

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

Maxlogic Marine Series SMPS Power Supply Units

ML-05110/M

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

Maxlogic / Mavigard Marine Series Addressable Control Modules

ML-1363.SCI/M

ML-1366.SCI/M

ML-1373.SCI/M

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

Maxlogic Marine Series Announce / Alarm Matrix Panel and 7" TFT Mimic Panel

ML-5020/M

ML-1280/M

Product code	Description	Loyd	IACS	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	No
ML-1280/M	Maxlogic Addressable 7" TFT Mimic Panel, Marine Approved	Yes	Yes	Yes

Maxlogic Marine Series Intelligent Addressable System Smoke Damper Modules

ML-1358.SCI/M

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

Marine Series Accessories For Maxlogic & Mavigard Addressable Detectors

ML-0140/M

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

Maxlogic Marine Series Conventional Fire Alarm Panels

ML-22116/M

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

Maxlogic Marine Series Addressable Manual Call Point

■ ML-2710/M

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

Maxlogic / Mavigard Marine Series Conventional Detectors

■ ML-2110/M

■ ML-2140/M

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

Maxlogic Marine Series Conventional Beam Type Smoke Detector

■ ML-2173/M

Product code	Description	Loyd	IACS	MED
ML-2170/M	Maxlogic Conventional Beam Type Smoke Dedector, Marine Approved	Yes	Yes	No
ML-2173/M	Maxlogic Conventional Reflector Beam Detector, Marine Approved	Yes	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	Loyd	IACS	MED
ML-2410/M	Maxlogic Electronic Sounder, Marine Approved	Yes	Yes	Yes
ML-2420/M	Maxlogic Conventional Beacon, Marine Approved	Yes	Yes	No
ML-2430/M	Maxlogic Conventional Sounder & Beacon,marine Approved	Yes	Yes	Yes
ML-2440/M	Maxlogic Conventional Sounder, Weatherproof (IP33), Marine Approved	Yes	Yes	Yes
ML-2450/M	Maxlogic Conventional Beacon, Weatherproof (IP33), Marine Approved	Yes	Yes	No
ML-2460/M	Maxlogic Conventional Sounder&beacon, Weatherproof (IP33), Marine Approved	Yes	Yes	Yes
ML-2470/M	Maxlogic Conventional Sounder, Weatherproof (IP65), Marine Approved	Yes	Yes	Yes
ML-2480/M	Maxlogic Conventional Beacon, Weatherproof (IP65), Marine Approved	Yes	Yes	No
ML-2490/M	Maxlogic Conventional Sounder & Beacon, Weatherproof (IP65), Marine Approved	Yes	Yes	Yes

Marine Series Accessories For Maxlogic & Mavigard Conventional Detectors

■ ML-0140/M

■ MG-3700/M

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

Maxlogic / Mavigard Marine Series Conventional Extinguishing Control Panels

■ ML-322/M

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

Mavigard Marine Series Gas Alarm Panel, 4 Channel

■ MG-400/M

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

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