



# 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.

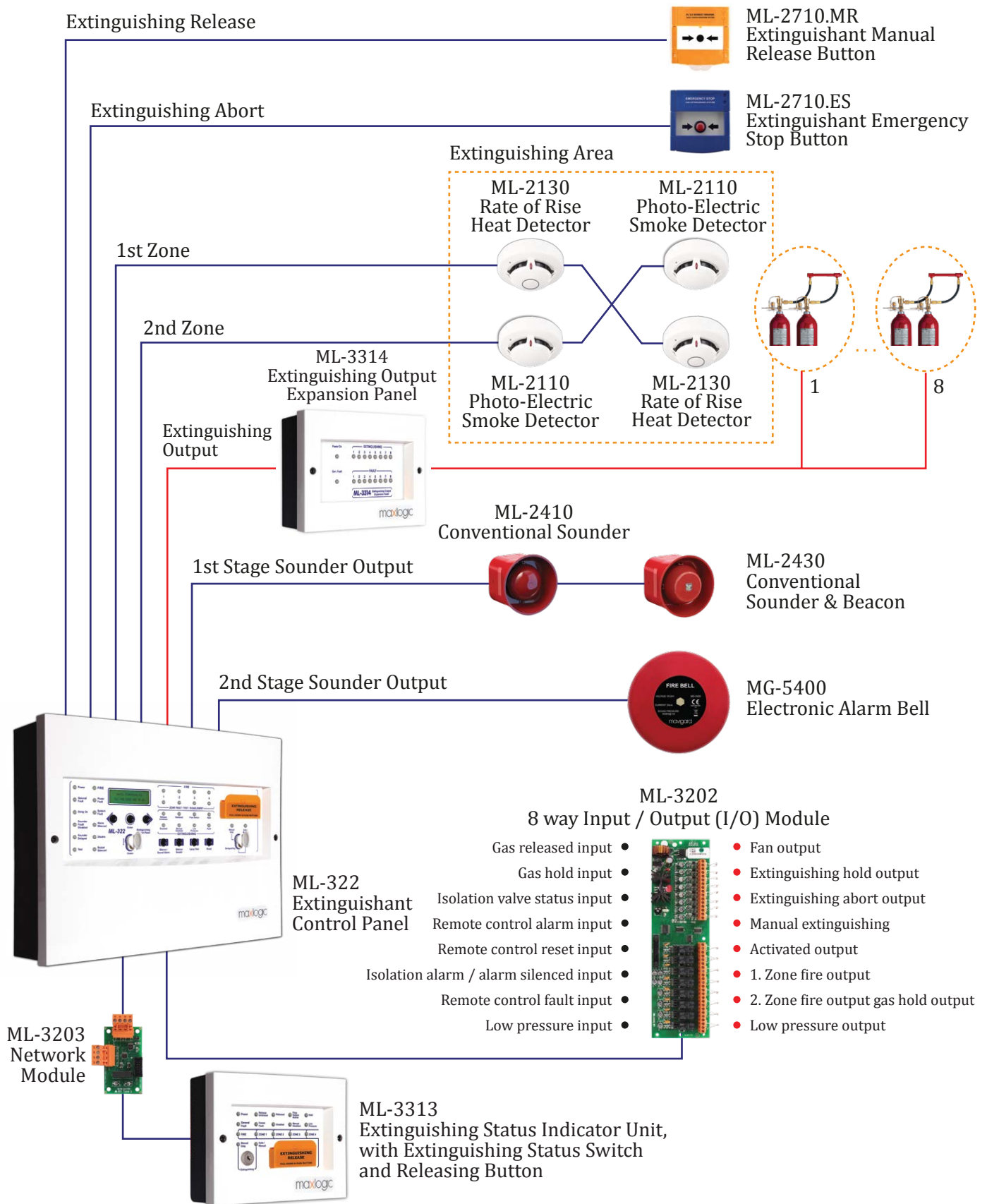
- ▶ Compatible with EN 12094-1, EN 54-2 and EN 54-4 standards
- ▶ 4 detection zones, 1 extinguishing zone
- ▶ Extinguishing-related front panel LEDs and LCD screen provide full system information
- ▶ Display of two warnings from two devices on the detection zones with fire zone LED
- ▶ Up to 8 pcs extinguishant condition indicator units can be connected to one pcs fire extinguishing panel
- ▶ Status indicator units allow the indicator and controls of the ML-322 fire extinguishing panel, which is located on the fire extinguishing panel, to be moved away from the area where the panel is located.
- ▶ The status indicator unit includes 4 supervised inputs. These inputs are for Standby, Cancel, Extinguishing Mode Switch, and Remote Reset.



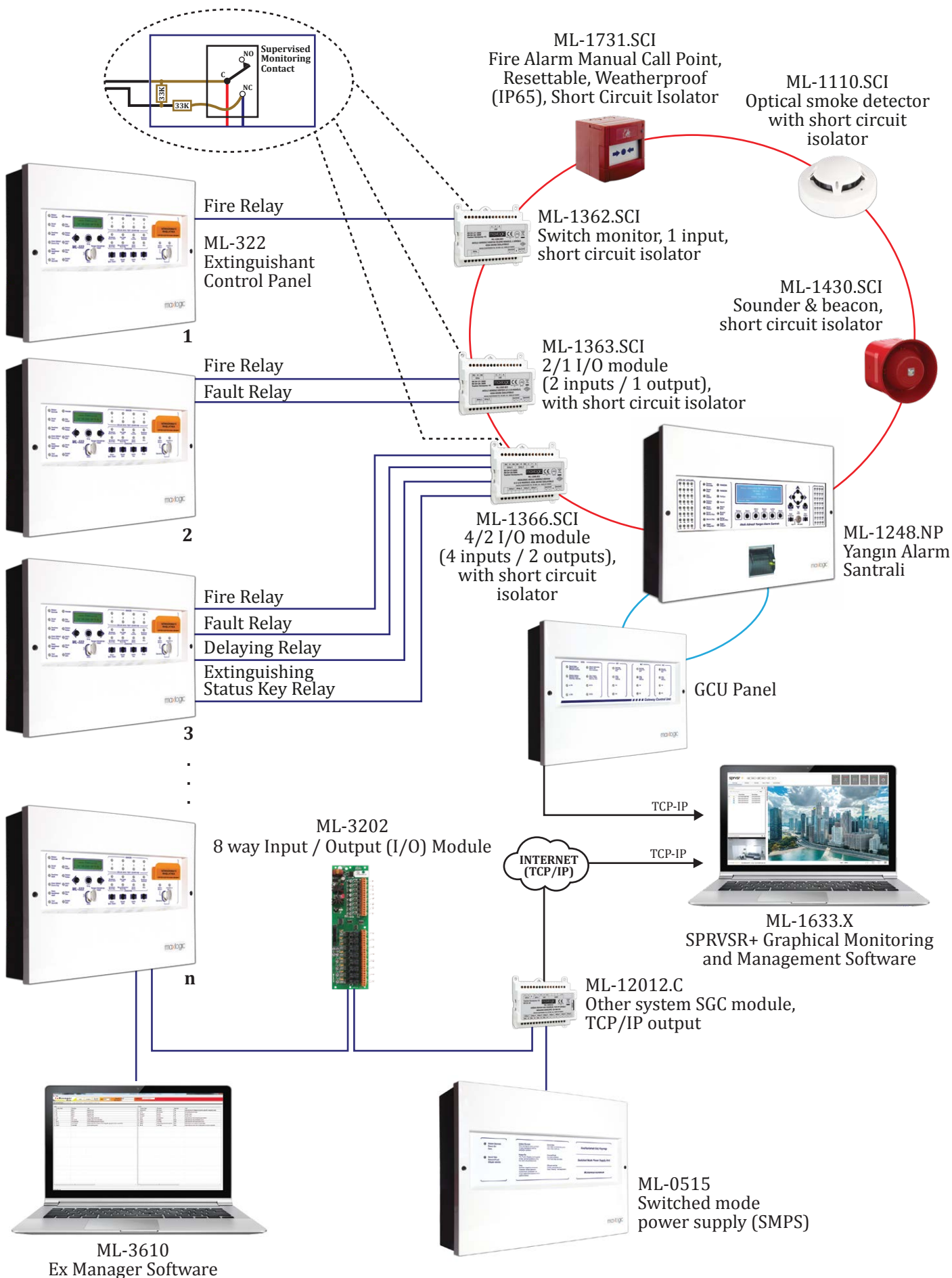
**ML-322**  
Fire extinguishing control panel

**ML-3313**  
Extinguishing status indicator unit, with extinguishing status switch and releasing button

# Conventional Fire Extinguishing System Diagram



# Monitoring via Addressable System





- ▶ 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
- ▶ Supervized extinguishing output, second level sounders, gas active 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
- ▶ Ability to include all inputs and outputs in scenarios with Ex Manager
- ▶ 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, 1st and 2nd level sounder output, extinguishing system and manual extinguishing disable options
- ▶ Inputs and outputs of panel, inputs and outputs of expansion module can be programmed via special PC software. Many features can be assigned such as gas active for outputs, remote alarm for inputs, remote reset.
- ▶ Short and open circuit faults in the installation can be monitored via supervised inputs.

#### PANEL MODELS

Product code	Detection zone	Extinguishing zone
ML-322	4	1

#### ACCESSORIES

Product code	Description
ML-3313	Extinguishing status indicator unit, with extinguishing status switch and releasing button
ML-3314	Extinguishing output expansion panel
ML-3610	Ex Manager software for ML-322
ML-2110	Conventional photo-electric smoke detector
ML-2120	Conventional fixed heat detector
ML-2130	Conventional rate of rise heat detector
ML-2140	Conventional multisensor detector
MG-5400	Electronic alarm bell
ML-2410	Conventional sounder
ML-2420	Conventional beacon
ML-2430	Conventional sounder & beacon
ML-2710.MR	Extinguishant manual release button
ML-2710.ES	Extinguishant emergency stop button
ML-3202	8 way input / output (I/O) module
ML-3203	Network module
ML-0710	Transparent protection cover
MLY-0237	Plastic seal, 1
MLY-0238	Plastic seal, 5-pack

