MZXE

Extinguishing Control Panel

ZETTLER

The MZXE gaseous extinguishant control panel is powerful yet user-friendly and is designed and manufactured to a high standard. The panel features approval to BS EN 12094-1:2003, BS EN 54-2 and 4 and is designed to BS 7273 part 1.

The panel has extensive configuration options but is easy to install, programme and operate. The removable chassis enables the engineer to "first fix" an empty cabinet and then fit the chassis at the commissioning stage.

This is supported by comprehensive documentation on commissioning, operating, maintenance and fault finding. In addition there is a comprehensive range of compatible accessories available to meet most customer requirements.

Features

- Comprehensive facilities for gaseous extinguishing systems
- Monitored inputs for gas discharged, gas low, isolation val closed/abnormal, gas trapped in manifold
- Control inputs for auto/manual, gas hold, gas abort
- 1 minute actuator cut off option
- Monitored actuator/solenoid release
- Extensive disablement options
- Common fire, fault, relay / monitored output facilities
- 1st, 2nd, 3rd stage and gas discharged relay / monitore output facilities
- Reset relay facilities
- Intrinsically safe barrier settings
- Metron or solenoid compatible
- Single or double knock operation
- Pre-discharge delay adjustable from 0 to 60 seconds
- Discharged indication with or without pressure switch
- Inhibit silence alarms until gas discharged
- Latching or non latching fault indication option
- Option for rapid buzzer pulse when gas imminent
- One man zone and sounder test
- Approval to BS EN 12094-1:2003 additional options
- Approval to BS EN 54-2 and 4
- Designed to BS 7273-1:2000
- Easily removable chassis

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Operation
Three fully-monitored detection zones are provided. Zones 1 and 2 normally provide first stage and second stage fire conditions to allow extinguishant discharge (coincidence detection zones). Zone 3 is an auxiliary zone for detection only purposes. Zone 4 is used as a manual release zone.

Facilities
Three fully-monitored alarm circuits are provided, each rated at 0.5A with various configuration options via the engineers DIL switch settings. Two circuits are designed to provide audible warning of any fire condition and one circuit to provide an individually distinct audible warnings of the pre-discharge, discharged and emergency hold condition.

Two fully-monitored actuator/solenoid circuits, each rated at 1 A, operate simultaneously upon "extinguishant release".
An RS485 multi-drop circuit link supports up to 7 Status Controller/Indicators of any type mixed on the communication path. Additional terminals and configuration options allows the engineer to configure the manual release, abort and hold switches to either data comms or hard wired inputs as required.

Normally-open inputs provide for remote evacuate, silence alarms, system reset, lock-off input, low pressure and gas discharged pressure switch input.

Outputs are provided for first stage signalling, second stage signalling, system discharged, common fire and common fault . These outputs may be configured as either Volt-Free C/O contacts or monitored 24 V (50 mA) outputs. A system reset Volt-Free relay is also provided.

Configuration
The use of DIL switches on the internal motherboard enables the engineer to easily configure the extensive options available and view the panel's configuration upon any return visit.

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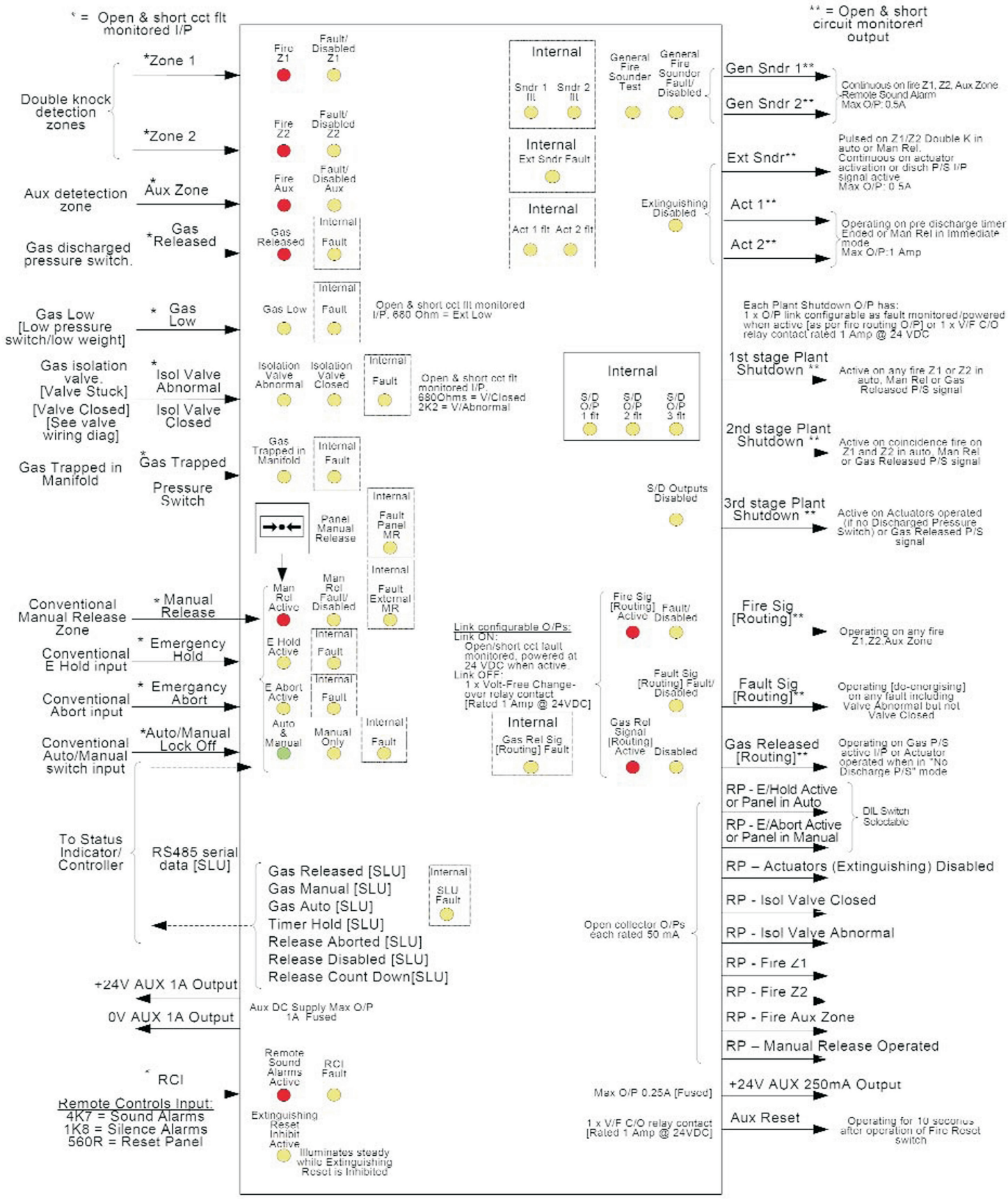

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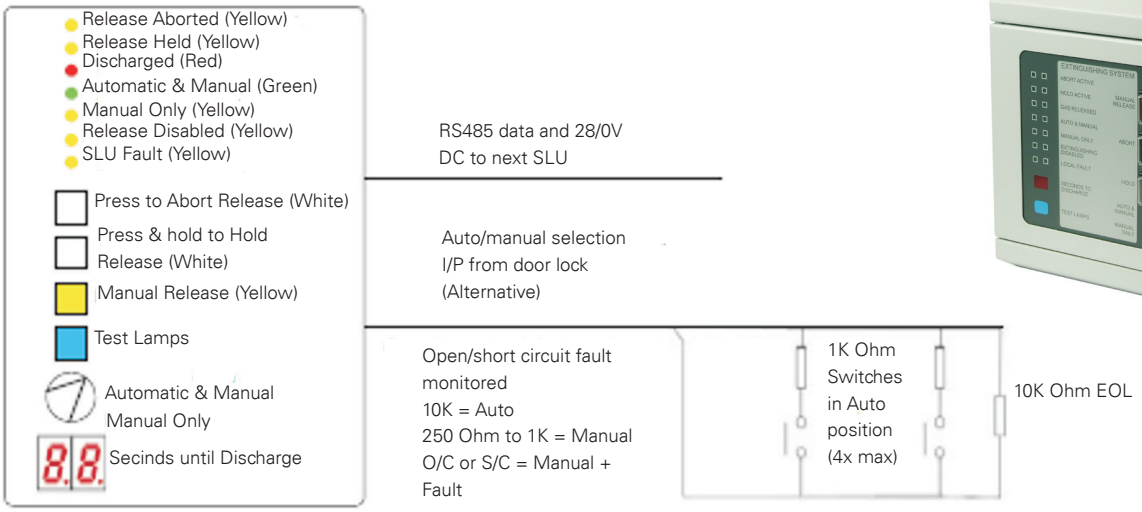
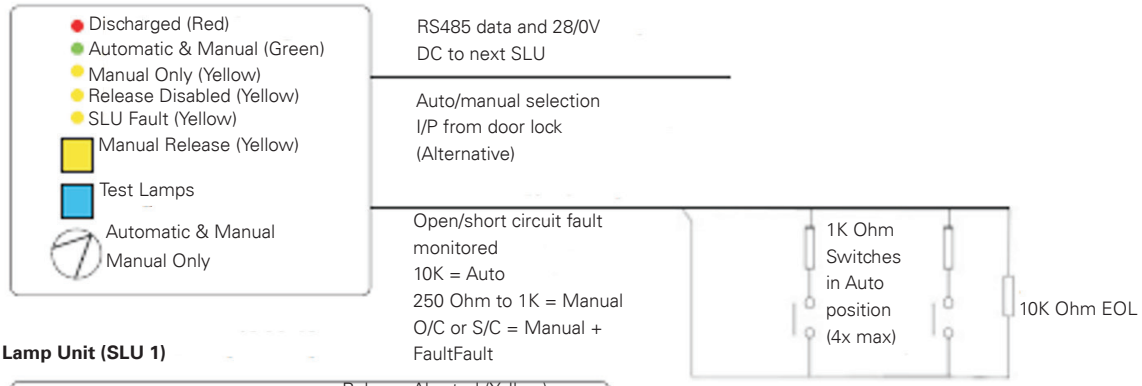
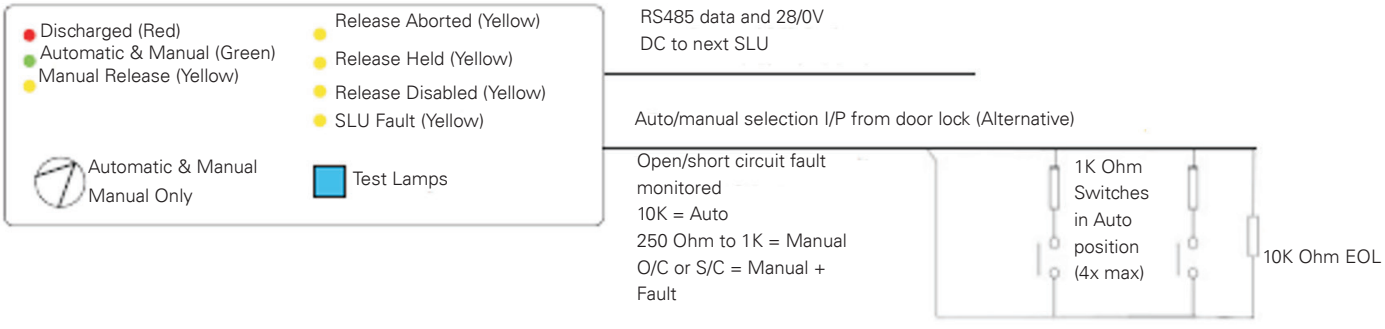
Fully Specified Status / Control Indicator (SLU 3)



Basic Status / Control Indicator (SLU 2)



Status Lamp Unit (SLU 1)



ZETTLER, is a leading brand of fire detection products in the European market. The ZETTLER fire detection product line includes a wide range of EN54 CPD approved fire detection products carrying approvals and cross-listings, including VdS and NF. The ZETTLER product lines are available through ZETTLER Authorised Distributors as well as many Johnson Controls offices around the world.

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