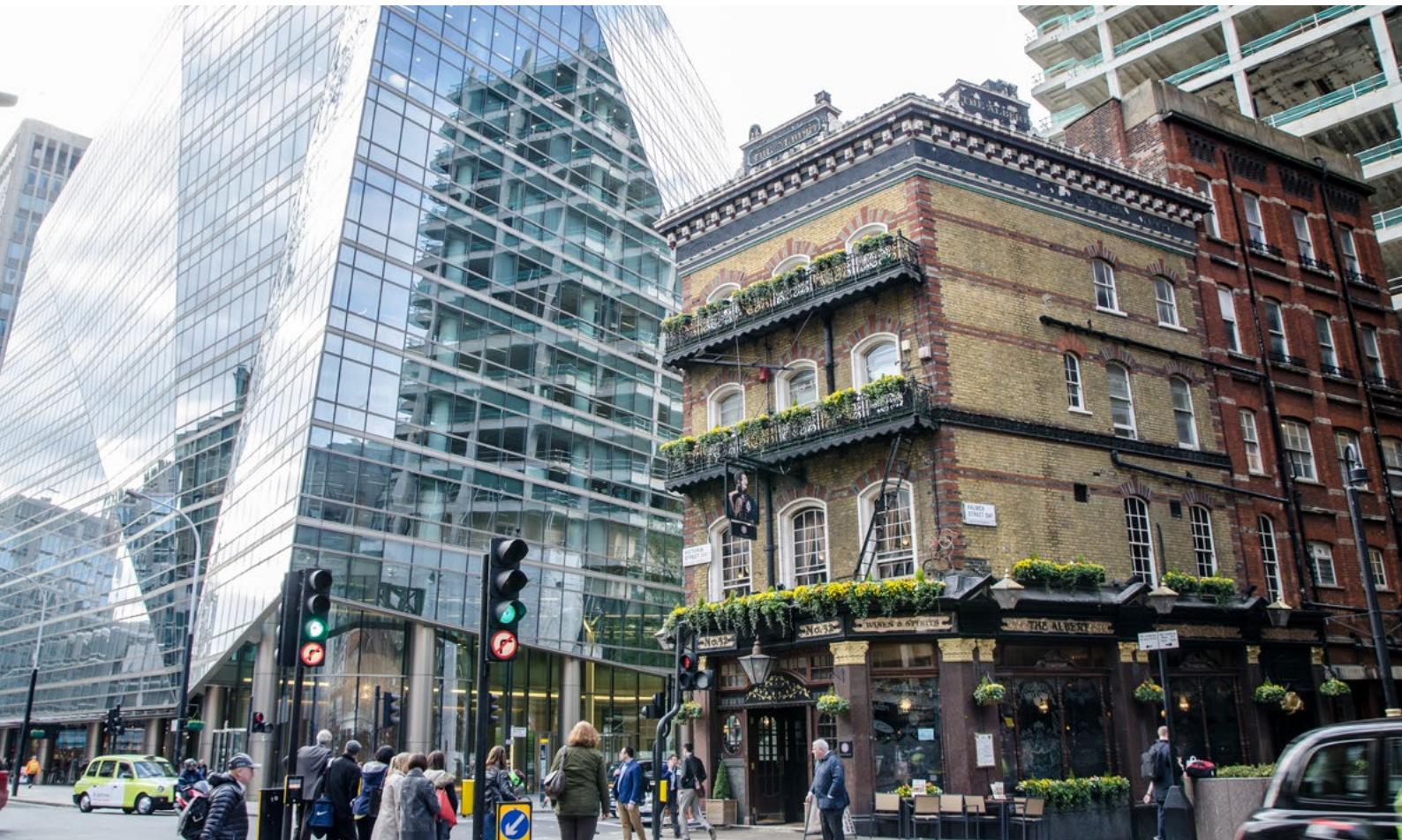


A Tradition of Fire Protection Innovation



Conventional Panels



Conventional Panels

MZX-c+ Conventional Panel



The MZX-c+ range of Conventional Control Panels are designed to be both installer and user friendly. They are designed and manufactured to a high standard and are approved by BSI.

These Panels are available in 4,8,16 & 32 zone versions along with suitable Repeaters for all models.

The 8 to 32 Zone Panels are capable of driving any combination of 8 channel output expansion boards, relays, alarm circuits & open collector 0v outputs, up to a maximum of 12 boards which can be set to zonal activated or common output modes.

Each Panel has extensive configuration options but remains easy to install, program and operate and are supported by detailed documentation on commissioning, operation and maintenance.

The Panels are designed to work with a wide range of manufacturer's detectors (in addition to Tyco detectors) and are suitable for use in many types of installation including upgrades and new installations.

Features

- 4, 8, 16 and 32 zone versions available
- Semi-Flush mounting using optional bezel
- Supports the complete range of EN54 approved Series 600 detectors including photo multi-sensor and CO multi-sensor
- Compatible with System 620 ATEX and IECEx approved intrinsically safe system
- Extensive custom options programmable via switches and front panel controls
- Two stage alarms and investigate delay options
- Day/Night modes and alarm counter (with optional timer module)
- Full EN54 zone operation with options for non-latching, short circuit alarm or indication only circuits

508.032.002.EA	MZXC+ 4 Zone Panel English/Arabic
508.032.003.EA	MZXC+ 8 Zone Panel English/Arabic
508.032.004.EA	MZXC+ 16 Zone Panel English/Arabic
508.032.005.EA	MZXC+ 32 Zone Panel English/Arabic
508.032.006.EA	MZXC+ 8 Zone Repeater 240 Vac English/Arabic
508.032.007.EA	MZXC+16 Zone Repeater 240 Vac English/Arabic
508.032.008.EA	MZXC+ 32 Zone Repeater 240 Vac English/Arabic

Additional Benefits

- Inputs for remote Silence, Evacuate, Reset and Class change
- Configurable monitored or volt free outputs for Fire, Fault and Protection
- Outputs for zones 1 to 4 (open collector) with 8, 16 or 32 zonal outputs provided by optional expansion boards
- Outputs for Disablement active, Evacuate active and buzzer active (open collector)
- Volt free reset relay. Active for 10 seconds following a panel reset
- 8 to 32 zone systems can drive up to 12 expansion input / output modules per panel
- Drive up to 5 repeater panels

Conventional Panels

MZX-c+ Conventional Panel

Technical data:

	Panels				Repeaters		
	2 Zone	8 Zone	16 Zone	32 Zone	8 Zone	16 Zone	32 Zone
Electrical							
Mains Supply:	230 Vac +10%–15%						
Power Consumption:	85 W	165 W	165 W	240 W	85 W	85 W	85 W
PSU / Charger Output:	1.5 A	3.0 A	3.0 A	5.0 A	1.5 A	1.5 A	1.5 A
Sounder Circuits 24 Vdc nominal:	4 @ 500 mA	4 @ 1 A	4 @ 1 A	4 @ 1 A	N/A	N/A	N/A
Aux. DC Output 24 Vdc nominal:	500 mA	1 A	1 A	1 A	N/A	N/A	N/A
Maximum Battery Space:	2 x 3 Ah	2 x 7 Ah	2 x 12Ah	2 x 17 Ah	2 x 3 Ah	2 x 3 Ah	2 x 3 Ah
Environmental							
Operating Temperature:	-5 to +40oC						
Operating Humidity:	5% to 95% non-condensing						
Mechanical							
Dimensions (WxHxD mm):	25 x 370 x 126			400 x 441 x 131	325 x 370 x 126		400 x 441 x 13
Space for 8 way expansion:	N/A	2 Boards	2 Boards	Use Exp Hsg	N/A		
Weight Excl. Batteries Kg:	6.2	7.1	7.1	10.25	6.2	6.2	7.6
Enclosure Colour:	RAL7035 Light Grey						

Extinguishing Panels and Accessories



MZX-e Extinguishing Panel



Features

- Approval to BS EN 12094-1:2003 additional options
- Approval to BS EN 54-2 and 4
- Designed to BS7273-1:2000
- Comprehensive gaseous extinguishing system support
- Monitored inputs for gas discharged, gas low, isolation valve 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 /monitored 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 discharge is imminent
- One man zone and sounder test

The MZX-e extinguishing control panel is powerful yet userfriendly and is designed and manufactured to a high standard. The panel features approval to EN 12094- 1:2003, 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. There is a comprehensive range of accessories available to meet most customer requirements.

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 warning of the pre-discharge, discharged and emergency hold condition. Two fully-monitored actuator/solenoid circuits, each rated at 1A, operate simultaneously upon “extinguishant release”. An RS485 multidrop 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.

508.033.050.EA MZX-e Extinguishing Control Panel English / Arabic

For Technical Data please see next page.

MZX-e Extinguishing Panel



Technical data:

General	
Number of conventional Alarm Lines:	2 lines for automatic alarm in fireextinguishing area
	1 line for automatic alarm in general zone
	1 line for manual activation
Number of detectors on each line:	max. 32 (in acc. with type of alarm)
Monitored inputs for extinguishing components:	8
Monitored alarm-raising outputs:	1 x fire-fighting alarm, 2 x general alarm
Monitored outputs for fextinguishing control:	2
Monitored outputs:	6 pot. free
Output ext. Reset:	1 pot. free
Supply outputs:	1 x 24 V DC/250 mA, 1 x 24 V DC/1A
Mechanical data	
Dimensions (H x W x D):	370 x 325 x 126 mm
Weight (without batteries):	4.85 kg
Colour:	Light grey, RAL 7035 fine texture, matt
Ambient conditions	
Operating temperature:	-5°C to +40°C
Relative humidity (noncondensing):	5-95%
Electrical data	
Supply voltage:	230 V AC, 50/60 Hz
Input current:	1.6 A
Batteries:	2 x 12 Ah