



## Minerva<sup>®</sup> MZXC+

### Conventional Control Panels

#### 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
- 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

#### MZXC+

The MZXC+ range of conventional fire detection control panels are designed to be both installer and user friendly. A high degree of flexibility and programmability allows the system to be customised for a wide range of applications, without the need for any configuration software.

The range consists of 4, 8, 16 and 32 zone panels together with repeaters and a number of ancillary expansion modules. Designed and manufactured to a high standard they are approved by LPCB to EN54 parts 2 and 4.

## Ancillaries and Expansion

- C1631 Repeater Interface Board provides a port for driving up to 5 repeater panels. One C1631 Repeater interface board is required for the panel and one for each repeater. Repeaters are supplied with a C1631 fitted.
- C1630 Output Expansion Interface Board provides a port for driving up to 12 output expansion boards.
- EXP 4 and EXP 4 PSU Expansion Housing are designed to house any combination of up to four output expansion boards. The PSU version is equipped with a 5A 24Vdc power supply with space for 2 x 12V 12Ah batteries. Housing dimensions 325W x 370H x 126D mm
- EXP 5 and EXP 5 PSU Expansion Housing are similar to EXP 4 and EXP 4 PSU but accommodate five output expansion boards. Housing dimensions 400W x 441H x 131D mm
- C1633 LED Driver Board provides eight open collector outputs rated @ 60mA. Outputs can be zonal alarm or common alarm.
- C1634 Relay Output Module provides eight volt free changeover contacts rated at 1A 30Vdc. Outputs can be zonal alarm or common alarm.
- C1635 Monitored Output Board provides eight fault monitored outputs 24Vdc outputs. Power can be derived from the control panel or an external source. Outputs can be zonal alarm or common alarm..
- C1651 MZXC+ Timer Module is an optional plug-in board with an alphanumeric LCD to provides a real-time clock display. The clock can be programmed to provide investigate delays, sequential alarms and day night settings. The unit is also used to store and display a total count of the number of times the panel enters the alarm condition. Can be fitted to 8, 16 and 32 zone panels.

## Specifications

	Panels				Repeaters		
<b>Electrical</b>							
	4 Zone	8 Zone	16 Zone	32 Zone	8 Zone	16 Zone	32 Zone
Mains Supply	230Vac +10% - 15%						
Power consumption	85W	165W	165W	240W	85W	85W	85W
PSU / Charger Output	1.5A	3.0A	3.0A	5.0A	1.5A	1.5A	1.5A
Sounder Circuits 24Vdc nominal	4 @ 500mA	4 @ 1A	4 @ 1A	4 @ 1A	N/A	N/A	N/A
Aux. DC output 24Vdc nominal	500mA	1A	1A	1A	N/A	N/A	N/A
Maximum Battery Space	2 x 12Ah	2 x 12Ah	2 x 12Ah	2 x 17Ah	2 x 12Ah	2 x 12Ah	2 x 17Ah
<b>Environmental</b>							
Operating Temperature	-5 to +40 °C						
Operating Humidity	5% to 95% non-condensing						
<b>Mechanical</b>							
Dimensions (W x H x D mm)	325x370x126			400x441x131	325x370x126		400x441x131
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						

For further information on how we can help you, please visit our website at [www.tycofis.com](http://www.tycofis.com) or e-mail us on [tfis.fda.uk@tycoint.com](mailto:tfis.fda.uk@tycoint.com).  
The right is reserved to modify or withdraw any product or service without notice. PSF237TFIS Issue 1 June 2009 © 2009

*a vital part of your world*

**tyco**  
Fire & Integrated  
Solutions