



MINERVA[®] MX

MX2 - 2 1 1 Two to Eight Loop Controller

Features:

- Two to eight loops or network of up to 792 loops
- Full loop power over 8 loops
- EN54 Compliant MXDigital system
- Integral power supply
- Integral eighty way zonal LED's
- 125 or 250 addresses per loop
- Full range of MX virtual multi-sensor detectors
- MX FASTLOGIC fuzzy logic
- Fully functional repeater
- Easy to install
- Space for 38AH batteries
- Optional 65AH external battery housings
- Choice of standard or aperture battery housing

MINERVA[®] MX2-211 is one of a new generation of digital addressable fire alarm controllers that is based on MX Technology[®]. It brings a host of system options and benefits to both installer and end user. It uses state-of the art multi-sensor virtual detection to expertly protect personnel and property through varying occupancy conditions.

Two loops are provided as standard with each loop supporting up to 250 devices. This can be expanded to four, six or eight loops by adding up to three plug-in XLM800 loop expansion cards. A total of 1000 devices can be connected to the MX2-211 with either 250 or 125 devices per loop depending on the number of loops in use. Further expansion of the system is achieved by networking panels via a plug-in TLI800 MXNet network card. A networked system can support a maximum of 792 loops and 99,000 detectors.

SPECIFICATIONS

The MX2-211 controller features a user interface allowing multiple access levels and providing complete system wide control. User interfaces that are spread over a networked system will operate seamlessly together as a single integrated unit. The fully functional repeater also provides a seamless user interface to the entire system and can be sited up to 1200m from a controller.

Architecturally matching expansion boxes simplify the addition of what would normally be termed customised features. The expansion boxes can accommodate two or three add-on modules including the ANN840 a 40 way bi-colour LED display, ANN880 80 way LED display, COM820 20 way command button LED display or the PRN800 in-built thermal printer.

PSB821 Power Supply

The PSB821 power supply is fitted as standard into each MX2-211 controller. It drives the controller and can charge up to 65AH batteries to provide a full 72 hours standby. The fitted PSB821 can supply 495mA of loop power to each of the detection loops.

Full loop power at 495mA can be provided to each of eight loops by simply adding a second PSB821 power supply and APM800 power supply monitor to the MX2-211 controller. An MX2 eight loop expansion kit will also be required for any system with more than 4 loops.

Aperture Installation Kit



PSB821 Power Supply

BAT65 Battery Housing

As standard the MX2-211 will accommodate two 38AH 12 volt batteries. To allow for increased standby periods and heavier alarm loads two external battery housings are available. The BAT65 is a heavy duty wall mounted battery box with hinged door and space for two 65AH 12v batteries (or 4 x 38AH 12 volt batteries)

BBX65 Battery Expansion Housing

An alternative battery housing that matches the appearance of the MX2-211 controller is available. The BBX65 will accommodate two 65AH 12v batteries as well as up to three add-on modules such as the ANN840 a 40 way bi-colour LED display, ANN880 80 way LED display, COM820 20 way command button LED display or the PRN800 in-built thermal printer. Add-on modules are fitted in the door aperture and require the aperture installation kit which allows for the fitting of up to three modules with blanks in place of unused apertures.

BBX65 Battery Expansion Box



BAT65 Battery Housing

Mechanical

| Dimensions (mm) | H | W | D | Weight KG |
|------------------------|-----|-----|-----|-----------|
| Panel | 580 | 458 | 209 | 15.3 |
| BAT65 Battery Box | 420 | 435 | 220 | 10.0 |
| BBX65 Battery Exp. Box | 580 | 458 | 209 | 12.2 |

Colour

| | |
|----------------|------------------------------|
| Housings: | Dawn Grey (BS 4800 10A - 03) |
| Control Facia: | Pantone Grey 431C |

Environmental

| | |
|------------------------|------------------------------------|
| Operating temperature: | -8°C to +40°C |
| Storage Temperature: | -20°C to +70°C |
| Relative Humidity: | 90% RH continuous (non-condensing) |
| EMC/RFI: | EN50130-4, EN50081-1 |

Electrical MX2-211

| | |
|----------------------|-------------------------------------|
| Supply Voltage: | 110 - 240 Vrms |
| Input Current: | 0,8 - 1,6 Amp |
| Max Charge current : | 3.8A (dependant on standby current) |

Ordering Information

| | |
|-------------|--|
| 557.200.209 | MX2-FB Panel/Repeater flush mounting bezel |
| 557.200.205 | MX2-211 Two loop c/w LEDs deep housing |
| 557.202.204 | BAT65 Battery Housing |
| 557.202.205 | BBX65 Battery Expansion Housing |
| 557.202.206 | Battery Expansion Aperture Kit |
| 557.202.207 | PSB821 24V Power Supply |
| 557.202.027 | APM800 power supply monitor |
| 557.202.208 | MX2 8 loop expansion kit |
| 557.202.007 | XLM800 loop expansion module |