tyco Safety Products

Replacing an *MX1* 4U Keyboard/Display Door

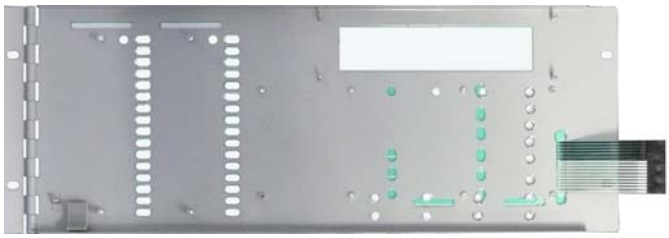
Installation Instructions

These instructions describe replacement of an *MX1* 4U keyboard/display door, using one of the following spares:

ME0464 MX1 4U DOOR C/W KEYPAD
Contains 4U door metalwork with *MX1* membrane keypad and FRC cable clamps fitted, and these Installation Instructions (LT0466).

ME0465 MX1 4U DOOR, TESTED
Contains a 4U door assembled complete with the *MX1* membrane keypad, LCD/keyboard PCB, LCD module, FRC cable clamps, and these Installation Instructions (LT0466).

ME0464, ME0465 Front View



ME0464 Rear View

ME0465 Rear View

The *MX1* must be powered down before commencing these procedures. Advise the building management that the fire alarm system will not be functional during this time.

Observe ESD precautions, such as wearing an earth strap connected to the cabinet earth.

Replacement using ME0464

Replacement of the door using the ME0464 requires removal of the old door and careful transfer of the LCD module and LCD/keyboard PCB, and any zone LED boards fitted, from the old door to the new door. Additional zone LED boards (FP1002) may also be fitted.

When refitting the LCD module, ensure that the plastic insulating washers are refitted between the LCD module and each of the four hex barrel nuts that secure it to the door. See Fig. 1.

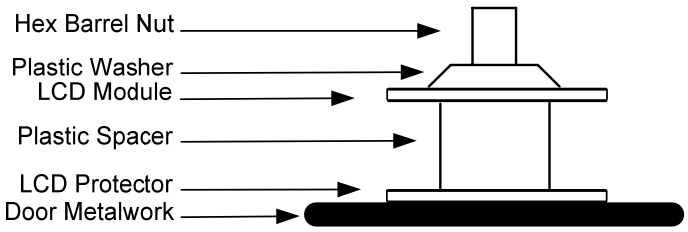


Fig. 1 – LCD Module Mounting – Ensure Plastic Washers Fitted

The new door can be mounted onto the *MX1* cabinet.

Before applying power to the *MX1*, carefully check that:

- The earth wire is reconnected,
- The 10 way FRC cable is fitted to the J8 COMMS socket on the LCD/keyboard.
- The 16 way FRC cable is fitted between the LCD FRC socket and the J5 LCD/Keyboard socket.
- Any FRC cables to the J11 GP Switch Inputs, J1 Open Collector Outputs and J2 Zone Display Boards are in the correct sockets.

Replacement using ME0465

Replacement of the door using the ME0465 requires removal of the old door and careful transfer of any zone LED boards, or fitting of replacement zone LED boards (using FP1002).
The ME0465 can then be mounted on the *MX1* cabinet.
Before applying power to the *MX1*, carefully check that:

- The earth wire is reconnected,
- The 10 way FRC cable is fitted to the J8 COMMS socket on the LCD/keyboard PCB.
- Any FRC cables to the J11 GP Switch Inputs, J1 Open Collector Outputs and J2 Zone Display Boards are in the correct sockets.

Power Up Testing

Once the new door is fitted and the cabling checked, power up the *MX1* via the mains PSU only (this has a lower current limit than the batteries). Check that the LCD shows the power up message and the backlight turns on.

The contrast setting for the *MX1* LCD has been preset in the factory to provide adequate visibility over the *MX1*'s full operating temperature range.

Setting of the contrast to suit a particular installation is possible using control VR1 on the PA1057 *MX1* LCD/Keyboard. However, doing so may result in the LCD not having adequate visibility over the full range of operating temperature.

Once the panel is running, carry out a display test and check all the LEDs on the LCD/keyboard and all Zone LED Displays are working. Try every key on the keyboard making sure it is at least seen by the *MX1* Controller, i.e., a short or long beep is generated.

Check the operation of any inputs or outputs that connect via the *MX1* LCD/keyboard. Finally, reconnect the batteries and ensure that everything else is operational.

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