



Do not attempt to install this equipment until you have fully read and understood the manual which can be found on our website



https://www.espuk.com/technical_support/product_manuals/?cat=4

General Description

The MAGDUO Expansion Card allows a 4 zone MAGDUO panel to be converted to an 8 zone panel. The card is only compatible with the 4-zone MAGDUO panel. It is not compatible with the 2-zone MAGDUO panel or with any other ESP panels.

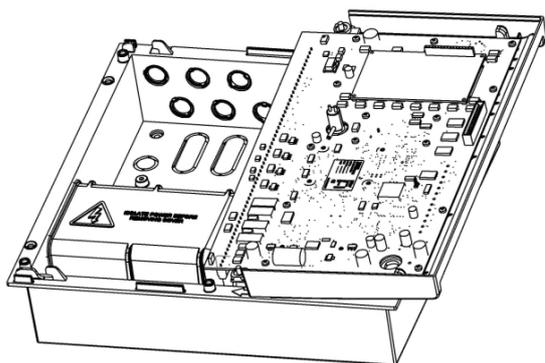
Installation

The panel must be completely powered down before this card is fitted.

1. Remove the right hand cover moulding from the unit by unscrewing the two fixing screws.
2. Next disconnect the battery by removing one of the push on battery leads at the battery. Always disconnect the battery first before removing the mains power to the panel.

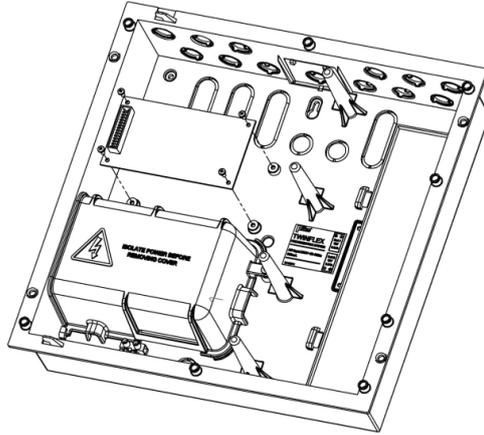
NOTE: Do not disconnect the battery by removing the wires from the terminals on the CIE circuit board. Doing this may allow the batteries to short circuit.

3. Remove mains power from the panel by removing the fuse in the fused spur that supplies the panel or switching off the circuit breaker. At this stage there should be no LEDs lit on the panel and the display should be blank.
4. Disconnect all cabling from the CIE terminals. Make sure these cables are suitably labelled to facilitate correct re-connection after fitting the Expansion Card.
5. Unscrew the four fixing screws that secure the left hand CIE assembly, then flip the assembly over clockwise.

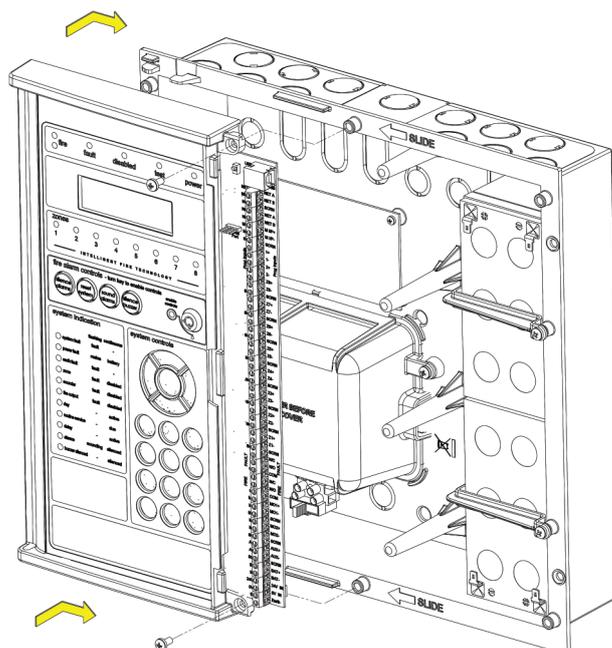




6. Secure the expansion card PCB to the unit's base using the 4 off M3 x 6 screws supplied
Please note the orientation of the expansion card PCB.

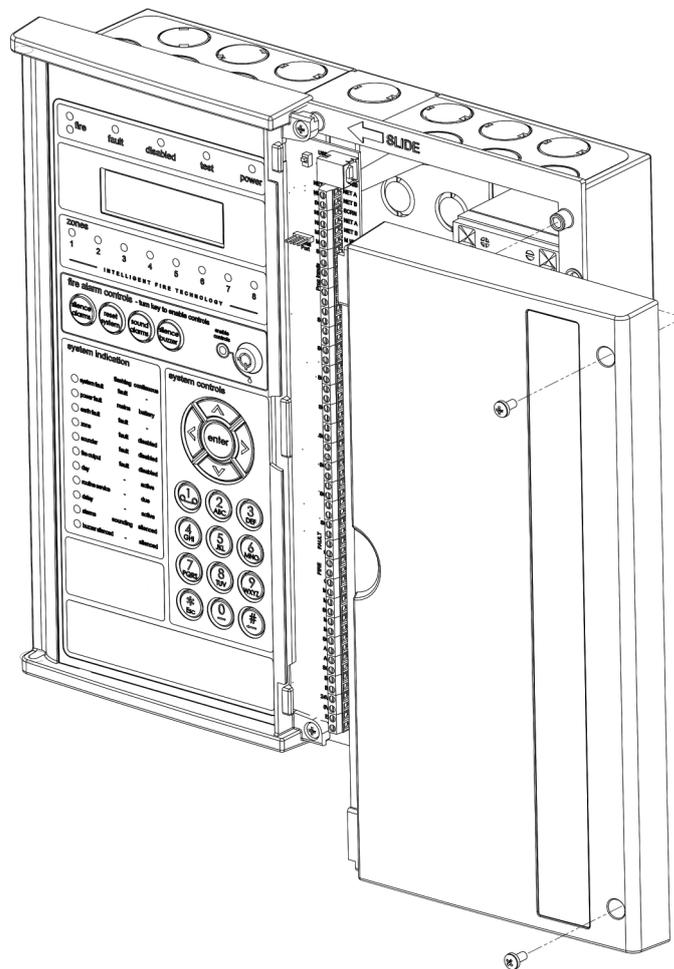


7. Plug one end of the ribbon cable assembly into the expansion card PCB (this will only fit one way).
8. Flip the left hand CIE assembly back over clockwise and plug the other end of the ribbon cable assembly into the connector marked (expansion connector) on the CIE PCB (again this will only fit one way).
9. Slide the panel assembly onto the base moulding (ensure that the panel assembly moulding engages into the clips on the base moulding and that all cables ends are accessible for termination) and secure into position.





10. Re-connect all existing cables to the appropriate terminals.
11. If the new additional zones are to be used straight away, connect the additional field wiring zone cables to the relevant terminals on the MAGDUO panel CIE (they do not connect directly to the Expansion Card).
12. Re-connect the mains power to the panel (before connecting the battery) by refitting the fuse in the fused spur that supplies the panel or switching on the circuit breaker.
13. Now re-connect the battery.
14. Refit the right hand cover (ensure the cover engages properly into the CIE assembly moulding) and secure into position.





Setup

1. Power up the panel.
2. The panel will automatically see the expansion card when it powers up and the additional zones 5 to 8 will be active (switched on). If there are no devices connected to new zones 5 to 8 then four EOL faults will be generated.
3. It will be necessary to switch off any unused zones to prevent EOL faults. For example if only six zones are going to be used the two un-used zones will need to be switched off otherwise the panel will always be in fault.
4. Switching off un-used zones is done as follows:
 - (a) Log in to engineer level and selecting “zones” (option 6) in the main menu.
 - (b) Set the write enable switch to on.
 - (c) While still within the zones menu, select “zone status” (option 1)
 - (d) You will then have to enter the zone number to be switched off and then press enter.
 - (e) You will now be able to toggle the on/off status of the selected zone.

Repeat steps (c) to (e) above for the next zone.

- (f) Remember to set the write enable switch back to off when finished.

Technical Data

For specifications of the MAGDUO Panel when upgraded to 8 Zones, please see the MAGDUO Engineering & Commissioning Manual.

Technical Support

Due to the complexity and inherent importance of a life risk type system, training on this equipment is essential, and commissioning should only be carried out by competent persons.

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