

# Model 3000 / Access 4000

## CE 8 Auxiliary Expansion Board.

### P/N: 995055

The 8 Auxiliary Expander provides eight additional auxiliary outputs on a Model 3000 / Access 4000 CE Control Module, complementing the two on-board auxiliaries.

Each Open Collector output on the 8 Aux. Expander is capable of switching up to 100mA.

#### Installation Procedure.

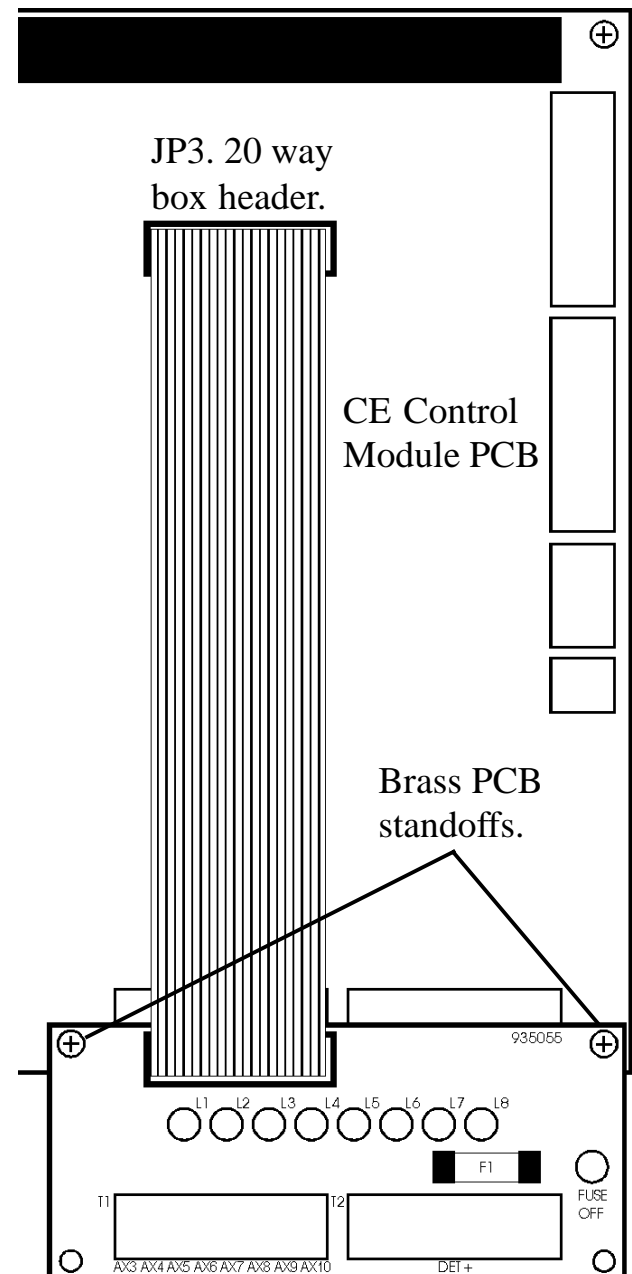
- 1) Power down the Control Module and disconnect the battery.
- 2) Option A:
  - i) Replace the two screws at each end of the Zone 9 to Zone 16 connectors on the Control Module PCB with the 35mm Brass PCB Standoffs supplied.
  - ii) Mount the 8 Auxiliary expansion board on the brass standoffs using the two M3 screws removed from the Control Module.
- 2) Option B:
 

The 8 Auxiliary expansion board may be mounted in another location within the enclosure using the four self-adhesive PCB standoffs supplied. Ensure that the location chosen allows interconnection using the ribbon cable supplied. (200mm)

NOTE: If a longer ribbon cable is used cabling distance must be less than 500mm.
- 3) Fit the ribbon cable from the 20 way box header on the 8 Auxiliary expansion board to JP3 on the Control Module as shown in the installation diagram.

*(See over for wiring and commissioning details)*

#### Installation Diagram.



## **8 Auxiliary Expansion Board Kit**

- 8 Auxiliary Expansion board sub-assy.
- 2 x 8 way plug-on screw terminals
- 1 x 20 way interconnection cable. 200mm.
- 2 x 35mm Brass PCB standoffs.
- 4 x 12mm Plastic self-adhesive PCB standoffs.
- 1 x 0.5 Amp M205 Fast blow Fuse. (Spare)
- Installation notes. (This document)

## **Auxiliary Output Wiring**

- Max current on any individual Auxiliary must be less than 100mA.
- Total current drawn by Auxiliaries + LAN + Detectors must be less than the total current rating of the Control Module that the board is connected to.
- When an external power supply is used to power auxiliary devices, a good common Negative connection MUST exist between the power supply and the module.
- Clamp diode should be fitted across inductive loads. Cathode (bar) to +ve.

## **Commissioning**

1. When wiring is complete and checked to be OK, connect power to the Control Module.
2. The Auxiliaries can be tested via the "Test Auxiliaries" option. <MENU>, 4, 2.
3. Program the Auxiliary functions as required.

## **Auxiliary Numbering**

For programming purposes Auxiliary numbers assigned to the 8 outputs are as follows:

AUX3	C01:X03
AUX4	C01:X04
AUX5	C01:X05
AUX6	C01:X06
AUX7	C01:X07
AUX8	C01:X08
AUX9	C01:X09
AUX10	C01:X10