

EXPANSION CARDS

4 Way Conventional Detection Zone Module

Features

- ▶ 4 monitored detection zone inputs
- ▶ 2 monitored sounder outputs
- ▶ Volt free fire contact
- ▶ Volt free fault contact
- ▶ Local power supply fault input
- ▶ RS485 comms connection to Syncro Fire Alarm Panel
- ▶ Individual fault and operated indications for inputs and outputs
- ▶ Directly replaces a conventional control panel when integrating into an analogue addressable system
- ▶ Can be used with other Syncro I/O modules on the same panel
- ▶ Compatible with Syncro AS & Taktis panels



Description

To further enhance the versatility of the Syncro and Taktis fire alarm system, four conventional detection circuits can be connected with up to 30 detectors per circuit.

Conventional control panels can be replaced with this simple module and existing conventional systems can be interfaced directly to modern analogue addressable control systems and networks.

A fail safe mode ensures that the detection inputs will still operate the sounder outputs and fire contact if communication to the panel is lost.

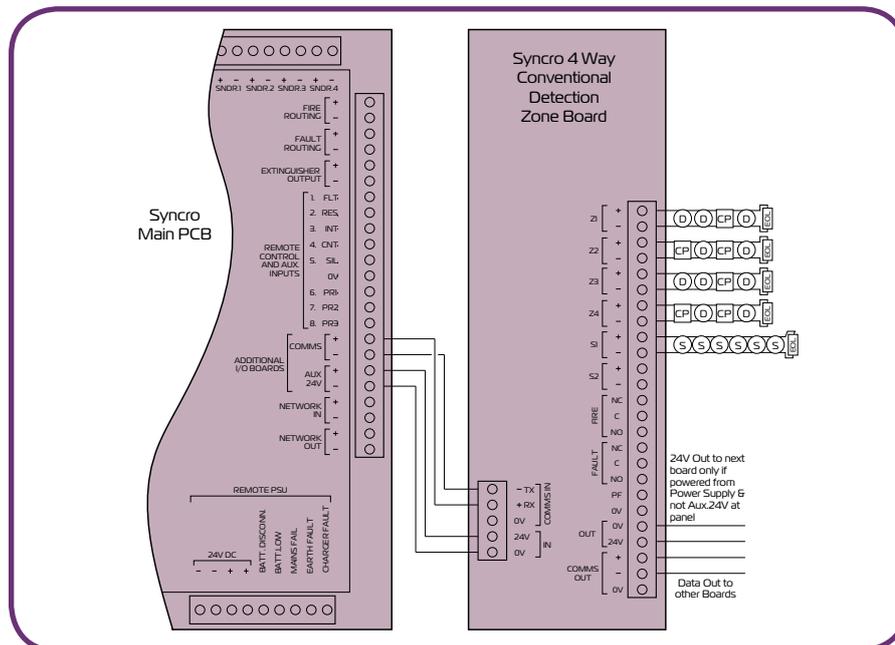
Up to 32 of these boards can be connected to the dedicated RS485 communications bus in the control panel giving the capability of up to 128 conventional zones with 64 sounder outputs.

The detection zone boards may be mixed on the RS485 bus with 16 channel I/O Boards, 6 way sounder boards or 8 way relay boards to provide a very flexible system of I/O to satisfy any requirement.

All inputs and outputs are configurable in the same way as devices connected to the loops and all may be acted upon by cause and effect logic.

Standard Syncro control panels contain fixings for one (four way) Detection Zone board, Sounder board, Relay board or I/O board, all of which can easily be connected using four signal wires to the power and comms bus within the panel.

Consideration must be taken as to the loading on the main panel.



Specification	
Product Code	K545
Supply Voltage	21-30V DC
Quiescent current consumption	70mA
Weight	1kg
Operating current (all outputs on)	250mA
Output contact rating	30V DC 1 Amp
Detection zone monitoring resistor	6K8
Sounder circuit monitoring resistor	10K
Communications	RS485 two wire
Max. distance from panel	1.2Km (using RS485 data cable)
PCB size	190mm x 74mm
Fixing centres	51.5mm x 180mm
Cable Capacity	2.5mm per terminal
Operating temperature	-5°C to +50°C
Operating humidity	To 95% (non condensing)