

Syncro IO

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 panels

Product Overview

- To further enhance the versatility of the Syncro 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 Syncro 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.



Part No. K545

Technical

Product code	- K545
Supply voltage range	- 21 to 30 volts 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)

