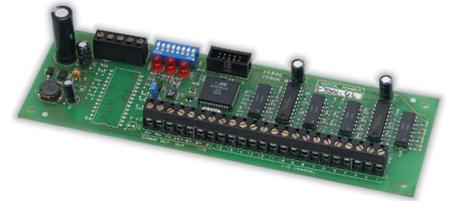


EXPANSION CARDS

16 Channel Input/ Output Unit

Features

- ▶ 16 channels
 - ▶ Each channel configurable as input or output
 - ▶ Inputs opto-isolated
 - ▶ Outputs open collector transistor
 - ▶ Simple 2 wire connection to control panel
 - ▶ Up to 32 boards supported per panel (512 Input/Output Channels)
 - ▶ Inputs and outputs configurable as per field devices
 - ▶ Full cause and effects on all inputs and outputs
 - ▶ Multi drop RS485 communications
- ▶ Can be used with other Syncro I/O modules on the same panel
 - ▶ Compatible with Syncro AS & Taktis panels



Description

To add more I/O capability to the extensive options already offered by the Syncro and Taktis control panels, up to thirty two, sixteen channel I/O boards may be connected.

The 16 channel boards may be mixed on the RS485 bus with 8 way relay boards, 6 way sounder boards or 4 way conventional detection zone boards to provide a very flexible system of I/O to satisfy any requirement.

When using a simple two wire RS485 communications protocol, these boards may be mounted locally to the control panel or distributed on a bus up to 1200 metres long by using a suitable cable.

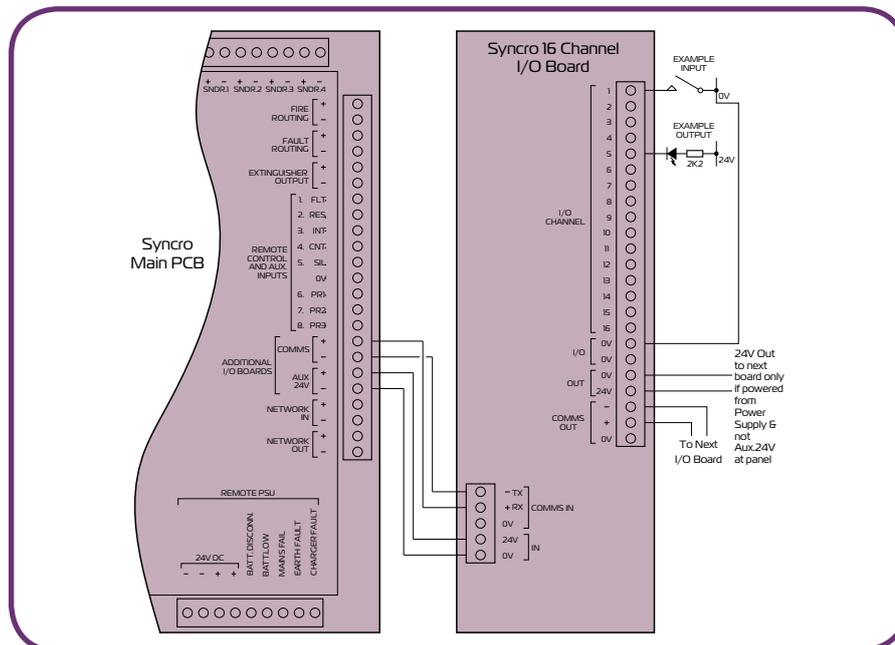
The flexibility of these boards is further enhanced by the fact that each of the channels is configurable as either an input or and output. Each channel may also be configured to produce a variety of input actions or respond to a variety of output types.

All channels can contribute to, or respond to, system wide cause and effects logic.

Typical uses for I/O boards include geographical LED mimic displays and plant alarm inputs.

Standard Syncro control panels contain fixings for one sounder, relay, conventional detection or I/O board, which can easily be connected using four small 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	K560
Supply Voltage	21-30V DC
Quiescent current consumption	20mA
Weight	1kg
Current per input	3mA (maximum)
Current per output	100mA (maximum)
Communications	RS485 two wire
Maximum distance from panel	1.2Km (using correct type of cable)
PCB size	190mm x 61mm
Cable capacity	2.5mm per terminal
Operating temperature	-10°C to +50°C
Operating humidity	To 95% (non condensing)

For full technical and application details see the I/O Board manual