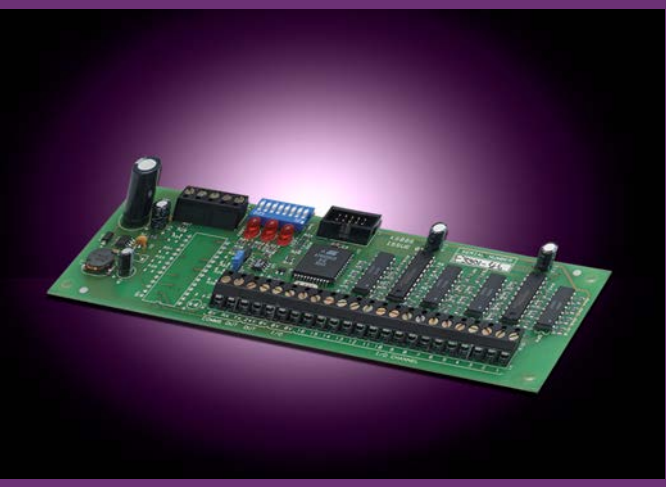
Expansion Cards

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

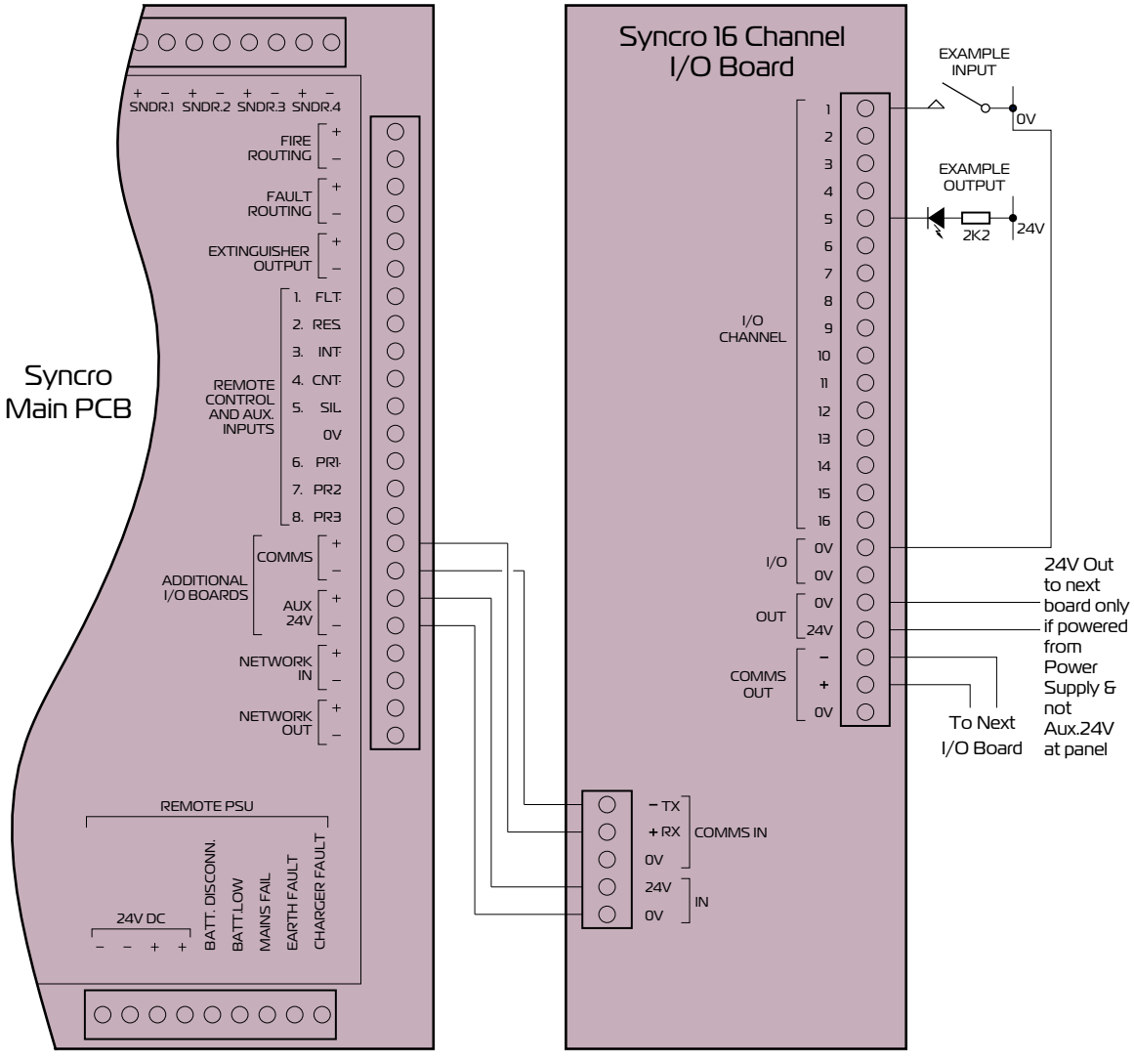
Product Overview

- 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.

Technical

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



The manufacturer reserves the right to amend specifications without prior notice