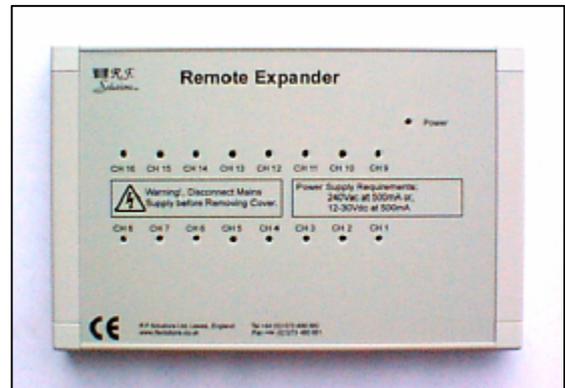


## FEATURES

- 15 CHANNEL EXPANDER
- IP65 RATED ENCLOSURE
- EASY INSTALLATION VIA SCREW TERMINALS
- CONNECTS DIRECTLY TO '105' SERIES DECODER
- 230Vac OR 12-30Vdc SUPPLY
- MOMENTARY OUTPUTS WITH LED INDICATION
- 15 +1 RELAY CONTACTS 2A @ 12Vdc
- REQUIRES NO RADIO LICENCE
- SUPPLIED WITH CABLE GLANDS



## Description

This expander unit connects to the '105' series remote decoder to provide 15 momentary relay channel outputs mapped directly from the '105' digital outputs.

An additional relay (channel 16) is also provided, this operates when any of the relay channels 1 to 15 are operated (Wired OR configuration). Operation of each relay is indicated by an LED.

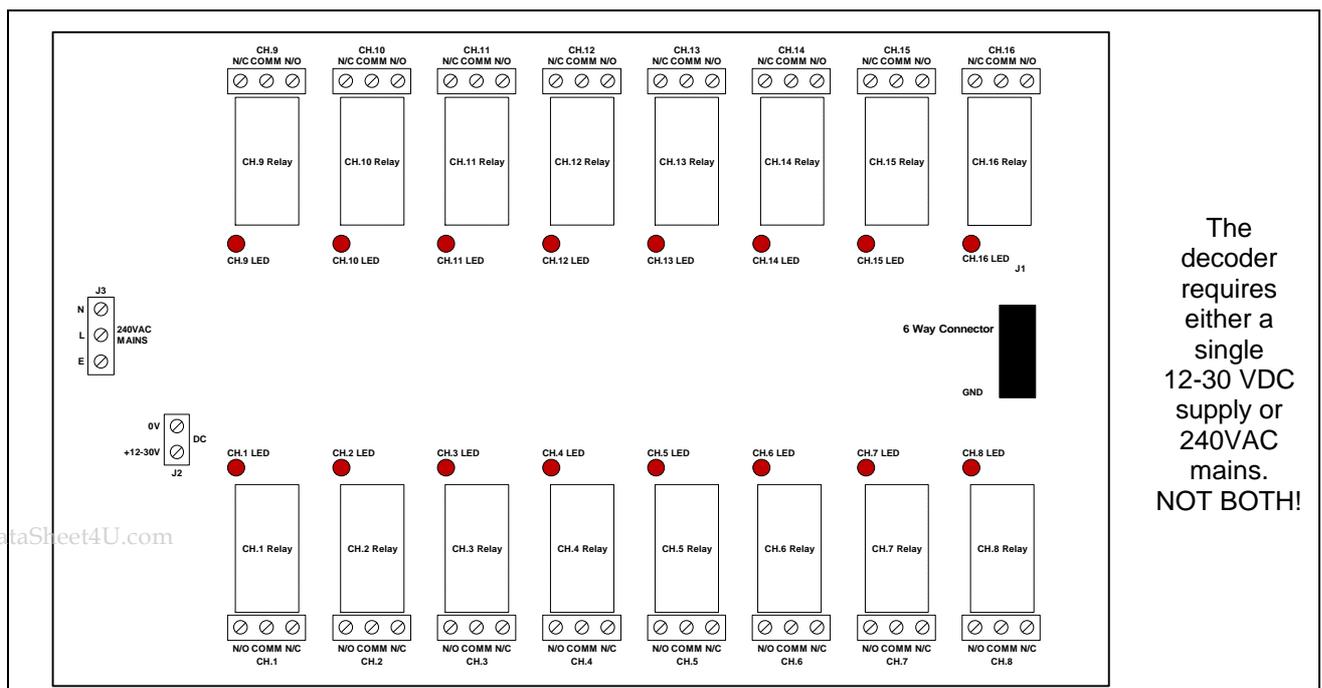
Connection between the Expander and '105' remote decoder is easy with the linking cable assembly and connectors supplied. Enclosure glands are also supplied.

The unit is easy to install, all connections are via screw terminals.

The system may be supplied as a PCB or in an IP65 rated enclosure and requires either 230Vac or 12-30Vdc supply.

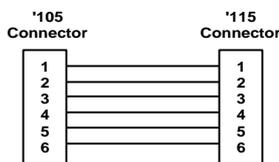
Custom solutions are available, for further information please contact our sales department.

## Expander Board Connections



### Cable Connection to '105' Unit

This expander is supplied with the relevant connectors and a length of cable for connecting to the 105 unit. Connection is by means of the 6 way push on screw terminal block as below;



### Configuration of 105 decoder when used with 115 Expander

1. Ensure that the variable resistor VR1 on the '105' unit is fully 'Clockwise'.
2. Ensure that J3 is fitted on the '105 decoder'.

Failing these points will result in mismatch of operation between transmitter encoder switch number and expander relay numbers!

### WARNING!

The unit is designed to be a fixed installation, which may be connected to a mains supply. Before removing the cover ensure that the mains input supply is removed. Any operation of the product that involves removal of the front cover should only be carried out by a competent person or qualified electrician.

### Technical Specifications

Dimensions: Enclosure : 190 x 120 x 60 mm (PCB: 174 x 106mm)

Storage Temperature; -10 to +70° Celsius.

Operating Temperature; 0 to +55° Celsius.

ELECTRICAL CHARACTERISTICS	MIN	TYPICAL	MAX	DIMENSION
Supply Voltage	11.0	16.0	30.0	Vdc
		230		Vac
Supply Current :				
Quiescent		5		mA
All Relays operating		800		mA
Relay Rating			50	Vdc @0.5A
Relay Rating			1	A @50Vdc
Relay Rating			2	A @12Vdc

### Part Numbering

Part No	Description
EX115C16A	Supplied in Enclosure, 16 relays

For more information or general enquiries, please contact

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