

# IFR4

## INTERFACE RELAY MODULE

### Introduction

The IFR4 consists of 4 independent Single Pole interface relays that can operate from a wide range of input voltages (AC or DC). The PCB has been pre scored to allow it to be easily split into two this will give two boards containing two independent relays

### Specification

Dimensions 103 x 86 x 30 mm. PCB only (IFR4U)  
 105 x 90 x 58 mm. Boxed (IFR4)

Input Voltage 10 to 32V DC. Open Link if Voltage is above 18V DC  
 8 to 24V AC. Open Link if Voltage is above 14V AC

Output 1 x Changeover Voltage Free Relay contacts.  
 Contact rating 240VAC 30VDC @ 10A.

### Connections

The 2 terminals marked PWR are connected to a voltage output either AC or DC in the range 10-32V DC or 8-24V AC. The input is not polarity conscious so can be connected either way round. The three way terminals marked NC, C, NO are voltage free changeover contacts.

### Operation

The IFR4 is used to convert a voltage input, AC or DC, from existing equipment to clean contact outputs. These can be used to operate additional equipment requiring a voltage free input or to switch an external power supply, for example to convert an AC output to switch a DC power supply. When a voltage is applied to the terminals marked PWR the relay will operate, when the voltage is removed the relay returns to its normal state. **If the Voltage applied to the PWR terminals exceeds 18VDC or 14VAC ensure the LINK is open. Failure to do this will cause damage to the relay.**

