

## IFR1 Interface Relay Module

### Introduction

The IFR1 is a simple, easy to use interface relay that can operate from a wide range of input voltages (AC or DC).

### Specification

PCB Dimensions	50 x 25 x 14 mm.
Input Voltage	6 to 35V DC 12 to 24V AC
Output	Changeover Voltage Free Relay contacts. Contact rating 120VAC 60VDC @ 2A

### Connection

The 2 terminals marked PWR are connected to a voltage output either AC or DC in the range 6-35V DC or 12-24V AC. This input is not polarity conscious so can be connected either way round. The three terminals marked NC, C, NO are voltage free changeover contacts rated at 120VAC/ 60VDC @2A.

### Operation

The IFR1 is used to convert a voltage output, AC or DC, from existing equipment to a clean contact output. This 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.

