IFR2

INTERFACE RELAY MODULE

Introduction

The IFR2 is a simple, easy to use double pole interface relay that can operate from a wide range of input voltages (AC or DC).

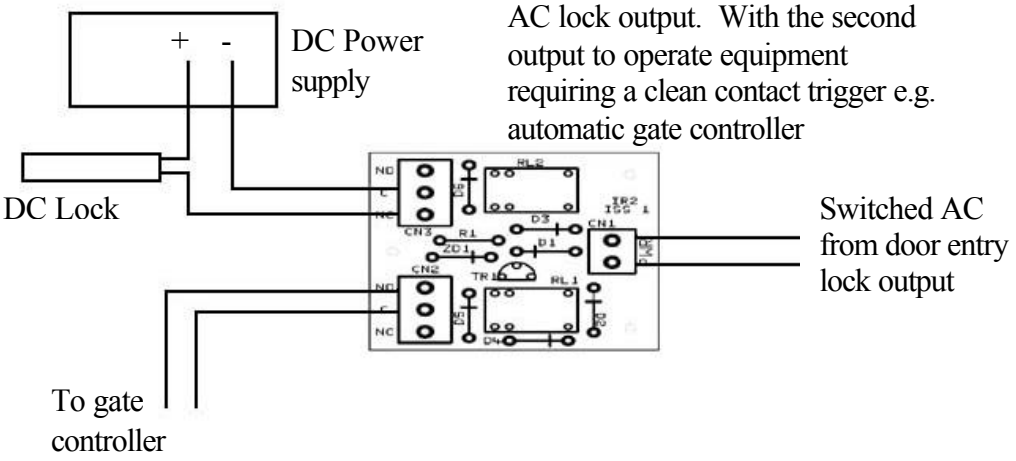
Specification

PCB Dimensions	50 x 45 x 14 mm.
Input Voltage	9 to 35V DC 8 to 24V AC
Output	2 x Changeover Voltage Free Relay contacts. Contact rating 120VAC 60VDC @ 2A

Connections

The 2 terminals marked PWR are connected to a voltage output either AC or DC in the range 9-35V DC or 8-24V AC. This input is not polarity conscious so can be connected either way round. The two sets of three way terminals marked NC, C, NO are voltage free changeover contacts rated at 120VAC/ 60VDC @2A.

Operation

The IFR2 is used to convert a voltage output, AC or DC, from existing equipment to a pair of 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.

Wiring Example showing a method of operating a DC release from an AC lock output. With the second output to operate equipment requiring a clean contact trigger e.g. automatic gate controller