SINGLE RELAY CONTROL (IO/1RM)

IO/1RM FEATURES

- Converts 0-10 volts signal to digital relay control
- Low current 0-5mA max (from signal input)
- Volt free changeover contacts
- LED status indication.
- Auto/Manual/Off Link Option

The IO/1RM is designed to operate from a low current 0-10V signal to switch plant via the single relay with volt free changeover contacts. The IO/1RM switching point is set at 5V.

The power supply can be 24V AC or DC and is suitable for use with most BMS controllers.

SPECIFICATION

Power Supply:	24V AC/DC +/-10%
Frequency (AC supply):	50/60 Hz
Input (Signal):	0-10V (switching @ 5V 0.5mA max)
Output:	1 x Volt free changeover relay Rated 230 VAC, 5A (resistive load only)
Power Consumption:	26mA
LED Indication:	When relay energised
Terminals:	1.0mm recommended 2.5mm max Recommended/highest tightening torque 0.5/0.6 Nm (4.42/5.31 lbf in)
Operating Temperature:	0 to 50˚C
Operating Humidity:	5-80% non-condensing
Installation:	Intended for indoor use only, Pollution Degree 2
Dimensions:	82mm high, 22.5mm wide, 50mm deep
Mounting:	DIN Rail
Country of Origin:	UK
Product Codes:	IO/1RM

SAFETY INFOMATION

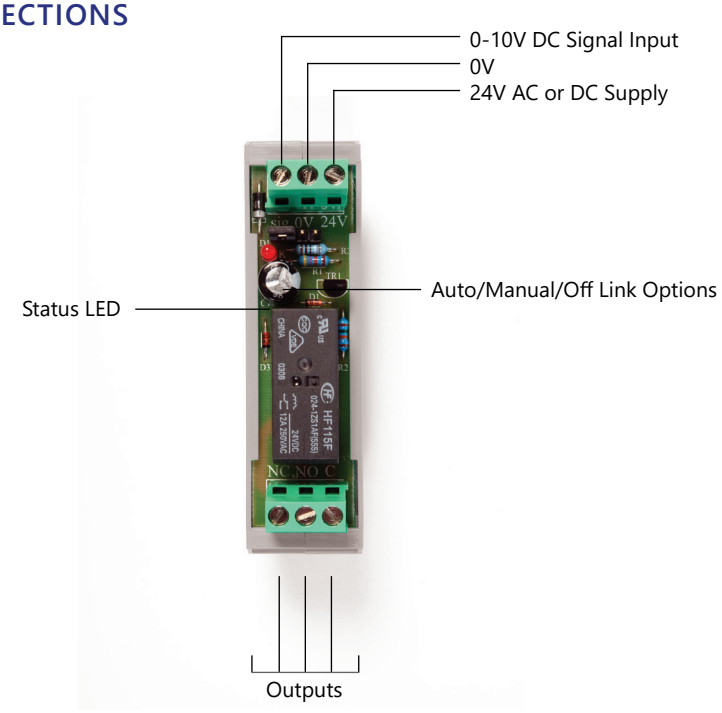
Warning – Risk of Electric Shock
This product contains relay contacts intended for switching mains voltages up to 230 VAC.

- Installation must be carried out by qualified personnel only.
- Disconnect all power supplies before installation or servicing.
- The product must be installed within a suitable control panel enclosure.
- Do not operate the module outside its DIN housing.
- Do not exceed the stated relay contact ratings.
- Ensure wiring complies with local electrical regulations.
- Intended for indoor use only (Pollution Degree 2).

INSTALLATION

- Isolate all supplies before wiring.
- Use conductors rated for the applied voltage and current.
- Maintain separation between mains wiring and low-voltage control wiring.
- Tighten terminal screws to manufacturer's recommended torque.
- Ensure the control panel enclosure is properly earthed.

CONNECTIONS



For further install and setup information please contact technical@titanproducts.com