

AC TO ADJUSTABLE 0-10VDC OUTPUT BMS POWER SUPPLY WITH REMOTE POTENTIOMETER KIT



TYPES: Y24A0-10DRP, Y110A0-10DRP, Y230A0-10DRP

FEATURES

- Din Rail Mounted
- Separate Input & Output LED Indication
- Input Voltage 24VAC, 110VAC, 230VAC
- Output 0-10VDC Adjustable Via a Remote Potentiometer Kit
- CE Marked
- RoHS Compliant

DESCRIPTION

A conveniently packaged Din rail mounted AC voltage to an adjustable 0-10VDC output module. Designed specifically for "HAND / OFF / AUTO" applications for BMS controller inputs, when in "HAND" a DC voltage needs to be forced into BMS input cards, but not necessarily a full 10VDC signal is required. This product can be specified with either a 24VAC, 110VAC or 230VAC primary voltage, the output voltage is an adjustable 0-10VDC via a remote 22.5mm panel mounted potentiometer. The remote potentiometer is supplied along with 3 metres of 1.5mm two core cable as a matched and calibrated kit with the output module. It is important that the integrity of the cable length is maintained and not shortened, also to maintain maximum accuracy each individual module and pot are supplied as a calibrated matched pair and are therefore are not interchangeable. A healthy AC input voltage is signalled by an illuminated green LED, and the output voltage is indicated by an increasing in intensity illuminated red LED starting at 1VDC (below 1VDC the output will be present, but without LED indication).

Note this product is not designed to power "control circuits", it is only for driving into BMS input cards, max 10mA @ 10VDC.

SPECIFICATIONS

Input Supply

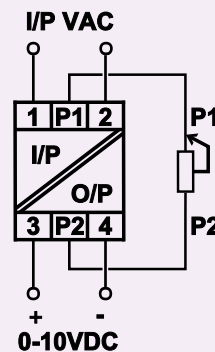
Nominal Input:	24VAC, 110VAC, 230VAC
Output Voltage Range:	0-10VDC Via Remote Potentiometer
Min Impedance:	1K Ohm
Max Impedance:	Infinity Ohms
Max Output Load:	10mA
AC Supply Healthy:	Via Green LED
DC Output Healthy:	Via Red LED
	Variable Intensity 1-10VDC
Output Voltage Regulation:	<0.5%

General

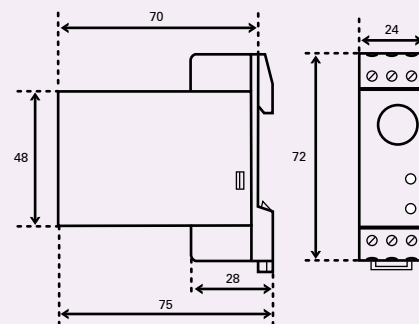
Operating Temperature:	-20°C to +65°C
Storage Temperature:	-20°C to +65°C
Humidity:	95% Rel H max
Isolation Voltage I/P-O/P:	1500VDC for 1 Min
CE Marked:	Yes
Standards Applied:	EN60950-1 EN6100-6-3 EN61010-1
Material Housing:	Polycarbonate
RoHS Compliant:	Auto extinguishable to UL 94V-0 Yes



CONNECTIONS



DIMENSIONS



ORDERING INFORMATION

Type	Input Voltage	Output Voltage
Y24A0-10DRP	24VAC	0-10VDC
Y110A0-10DRP	110VAC	0-10VDC
Y230A0-10DRP	230VAC	0-10VDC