

STABILISED SUPPLIES BATTERY CHARGERS



1RAL12 - 1RAL24

The 1RAL12 and 1RAL24 delivers 1A continuously to batteries that are completely discharged. Once batteries are fully charged, the 1RAL12 and 1RAL24 will maintain the charged state by intermittent recharges as required. The specification of the 1RAL12 and 1RAL24 includes internal protection against short circuits, inversion of polarity and protection against overheating while limiting the supply of current until normal operating temperatures are restored.

- POWER SUPPLY
- STABILISED OUTPUT as supplier
- OUTPUT as battery charger
- GALVANIC SEPARATION
- PROTECTED AGAINST SHORT-CIRCUITS, THE POLARITY INVERSIONS AND OVERTEMPERATURE
- THESE DEVICES CAN BE CONNECTED IN PARALLEL
 - example: with two suppliers in parallel there is a stabilised output at
- DIMENSIONS
- WEIGHT Kg.
- For the connection diagram see page 92

1RAL12	1RAL24
230V ± 10%, 50/60 Hz	
12 VDC ± 2% - 0,5 A	24 VDC ± 2% - 0,25 A
13 VDC - 1 A	26 VDC - 0,5 A
between input and output	
3 DIN modules	
0,40	
12 V - 1 A	24 V - 0,5 A



1RAL122 - 1RAL242

These supplies are made by an integrated transformer and an electronic accessory switching technology, high efficiency, low losses, low thermic dispersions and low emission of noises through the net.

The 1RAL122 and 1RAL242 delivers 2A continuously to batteries that are completely discharged. Once batteries are fully charged, the 1RAL122 and 1RAL242 will maintain the charged state by intermittent recharges as required.

The specification of the 1RAL122 and 1RAL242 includes internal protection against short circuits, inversion of polarity and protection against overheating while limiting the supply of current until normal operating temperatures are restored.

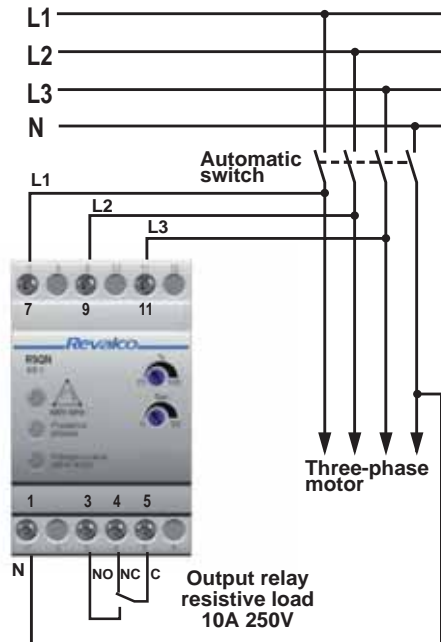
- POWER SUPPLY
- POWER
- OUTPUT VOLTAGE
- STABILISED OUTPUT
- GALVANIC SEPARATION
- PROTECTED AGAINST SHORT-CIRCUITS, POLARITY INVERSIONS AND OVERTEMPERATURE
- SIGNALLING LED
- OUTPUT PULSE NO (0,5 A / 40 VDC) FOR REMOTE SIGNAL
- DIMENSIONS
- WEIGHT Kg.
- For the connection diagram see page 92

1RAL122	1RAL242
230V ±10%	
55VA	
14 VAC (2A)	28 VAC (2A)
13 VDC - 2 A	26 VDC - 2 A
between input and output	
light-on green led = ON	
8 DIN modules	
0,50	

CONNECTION DIAGRAMS

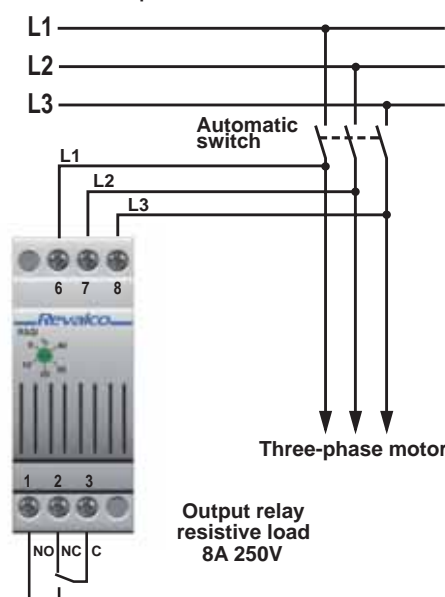
1RSQN

- To control the correct sequence and presence of the three phases, neutral and control of the voltage values within the limits (70-100%)



1RSQI

- To control the correct sequence and presence of the three phases



1RSQE

- To control the correct sequence and presence of the three phases

