



# R-IPL, R-IPH CURRENT MONITORING RELAYS



**A simple and convenient way to monitor the current draw of ac electric motors, fans, heating elements etc.**

Models R-IPL and R-IPH are separately powered units available in six basic ranges, 0-5A, 0-10A, 0-20A, 0-50A, 0-75A and 0-100A. Current is monitored by feeding the current carrying cable through the hole in the centre of the relay housing. A built-in current transformer detects current flowing in the cable and an adjustable set point controls the level at which the relay will operate.

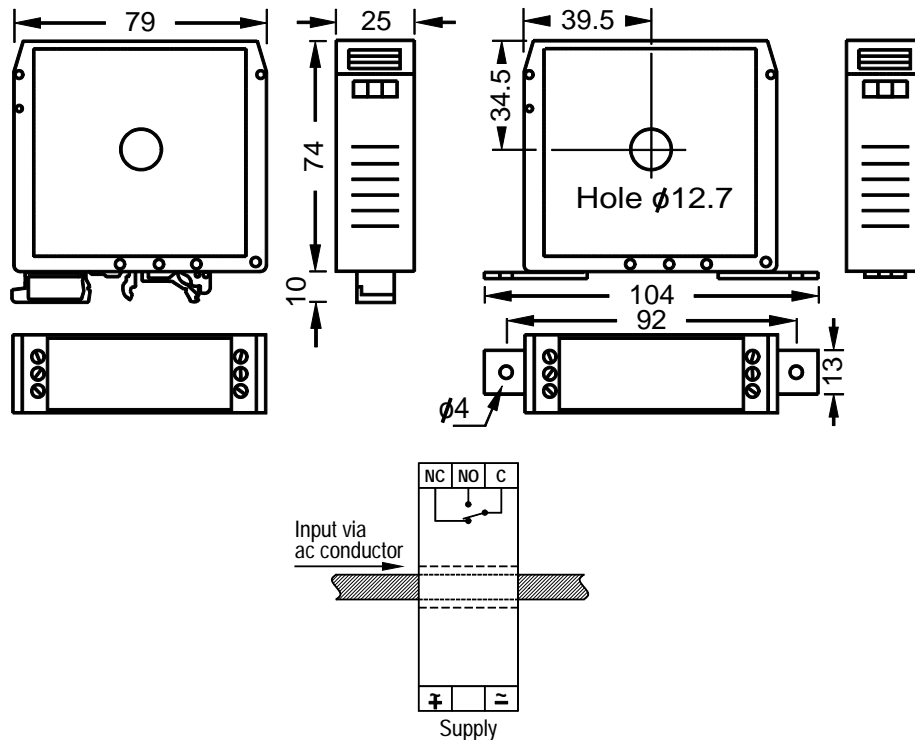
To operate they require an external power supply of 24Vac, 110Vac, 230Vac or 24Vdc. They feature LED 'Power On' and 'Relay On' indicators and a 0-100% (of full scale) set point adjustment control.

Model R-IPH has an output relay with a contact rating of 8A 240Vac non-inductive load. Model R-IPL has a relay output suitable for signalling or switching very light loads.

## Specifications

<b>Input</b>	Sinusoidal alternating current passed through hole in the centre of the relay housing Input ranges : 0-5A, 0-10A, 0-20A, 0-50A, 0-75A, 0-100A Through hole conductor size : <12.5mm
<b>Hysteresis</b>	: 2% of full scale
<b>Output</b>	Single pole change over relay Contact rating : R-IPL 2A at 30Vdc or 0.5A at 120Vac : R-IPH 8A at 240Vac non-inductive
<b>Supply</b>	: 24Vdc : 24Vac, 110Vac, 230Vac
<b>Temperature</b>	Operating : -10°C to +20°C to +50°C Storage : -20°C to +70°C
<b>Housing</b>	Fire retardant module to IP40 in green polyamide, suitable for surface mounting or DIN EN 50022-35 top hat and EN 50035-G32 G-profile mounting rail.
<b>Terminals</b>	Tinned steel insertion type with screw and clamp spring suitable for 2.5mm <sup>2</sup> conductor.

## Housing & Connection Diagram



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