

R-ISW-ANL AC CURRENT SWITCH



AC current switches with an off delay.

The units are DIN rail mounted in a circuit breaker sized housing and are designed to automatically switch on a secondary load or alarm when a primary load current is detected. E.g. turn on an extractor fan in an internal bathroom/laundry, when a drier or washing machine load is detected.

Two different primary load current inputs are available.

Terminals with a 16A rating or 6.5mm diameter through hole with a 30A rating (internal CT).

The R-ISW-ANL has a current set point of approximately 220mA and an off-delay of approximately 5 minutes.

Order codes:

R-ISW-16A-ANL

Terminal current input, 16A.

R-ISW-30A-ANL

Through hole current input, 30A.

R-ISW-ANL operation

When power is applied to the unit with the current below the trip point the LED on the front will glow green.

When the current exceeds the trip point the relay will activate and the LED will glow red.

The relay will deactivate when the current has been below the trip point for approximately 5 minutes.

Specifications

Input	Single phase alternating current Set point : R-ISW-ANL approximately 220mA \pm 10% Maximum current : R-ISW-16A-ANL terminal version, 16A continuous : R-ISW-30A-ANL through hole version, limited by 6.5mm cable aperture
Hysteresis	: Approximately 10% of set point
Output	Single pole change over relay contacts Contact rating : AC1 (non-inductive) 2500VA, 10A 250Vac : AC15 (inductive) 500VA, 2A 250Vac : DC1 30V/10A, 110V/0.3A, 220V/0.12A Contact material : AgSnO ₂ for resistive and capacitive loads with inrush currents <100A
Off Delay	: approximately 5 minutes
Supply	: 220-240Vac \pm 10% <1W, 5.5VA
Temperature	Operating : -10°C to +20°C to +50°C Storage : -20°C to +70°C
EMC Compliance	: AS/NZS 61000.6.3:2012
Housing	DIN rail mounted grey polyamide, flame retardant UL 94 V0.
Terminals	Rising clamp, nicked copper alloy clamp and tin plated copper alloy terminal Suitable for up to 2.5mm ² stranded conductor

CARREL ELECTRADE LTD

MANUFACTURERS, IMPORTERS AND DISTRIBUTORS OF ELECTRICAL ENGINEERING PRODUCTS
POSTAL ADDRESS: P O BOX 11078, ELLERSLIE 1542, AUCKLAND NEW ZEALAND
FACTORY AND OFFICE: 661 GREAT SOUTH ROAD, PENROSE 1061
TELEPHONE: +64-9-525 1753 FACSIMILE: +64-9-525 1756
CHRISTCHURCH BRANCH: 73B BRISBANE STREET, SYDENHAM
TELEPHONE: 03-366 1242 FACSIMILE: 03-379 1991
EMAIL: sales@carrel-electrade.co.nz WEB: www.carrel-electrade.co.nz

R-ISW-ANL AC CURRENT SWITCH

Housing Dimensions and Connections

