

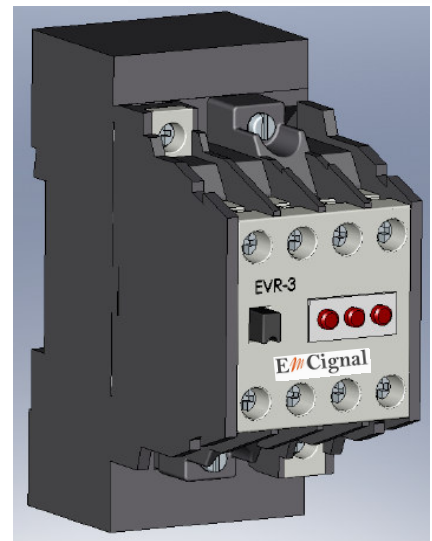
### EVR-1

## Electricity Voltage and RCD Protection Unit for 230V AC/50Hz 1 Phase

#### Description

EVR protection series is a family of devices to protect human life and prevent negative effects of electricity fluctuations and electrical hazard to home equipment.

This series is best for use in home and office applications as well as in industry.



The EVR series provide mainly two kinds of protections:

1. Electronic protection of home applicants from hazard caused by poor isolated equipment. It protects human being – especially children – at home.
2. Protect electricity equipment from the influences of over the and under voltage which frequently causes un-repairable damages. Variety of equipment such as: TV's, Computers, Refrigerators, Air conditioners, etc. are protected from damage caused by fluctuations in the electricity grid.

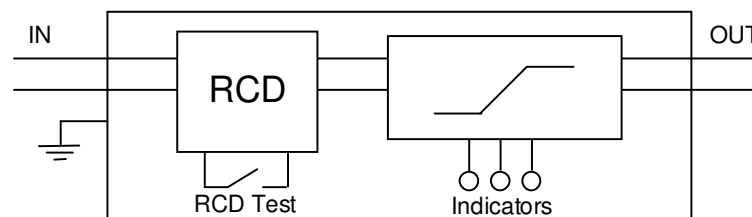
EVR devices are equipped with advanced electronic circuitry for Residual Current Detection (RCD) which significantly increases the reliability (in comparison to common in use devices).

The over and under voltage protection function is based on advanced decision algorithm based on input voltage tracking and monitoring.

#### Applications

The EVR-1 is designed for 1 phase home and office applications, designated to be installed in the electricity distribution box.

#### General layout



## Typical Specifications

Standard		IEC 60755
Type		AC
Nominal Voltage		230 V AC L – N
Over Voltage	Continues Operation	> 15% & 1 sec
Under Voltage	Continues Operation	> 15% & 1 sec
	Bypass	Yes
Rated Current		40 A
Sensitivity		30mA
Lightning spike protection		Yes
Bright LED Indications		RCD, over & under voltage
RCD Test		Yes

## Installation

On the power distribution board

## Maintenance

The EVR-1 is maintenance free unit

Performance subjected to changes without prior notice

June 08/EVR-1/A1