B-Stop is a line-neutral-earth device that injects a reactive "anti-capacitive" current on the ground wire able to partially compensate for the capacitive leakage current of the TN single-phase electrical plant. It safely increases the threshold margin of the RCD in order to **avoid nuisance tripping of residual current circuit breakers**.This allows to avoid or greatly reduce the unwanted tripping of RCDs. Terminal connections are shown in the picture on the right. This legend is also printed on the side of the device, in order to minimize installation errors.

Package contents

- B-Stop device
- Quick Guide

WARNING: Please read the quick guide before attempting to operate the device

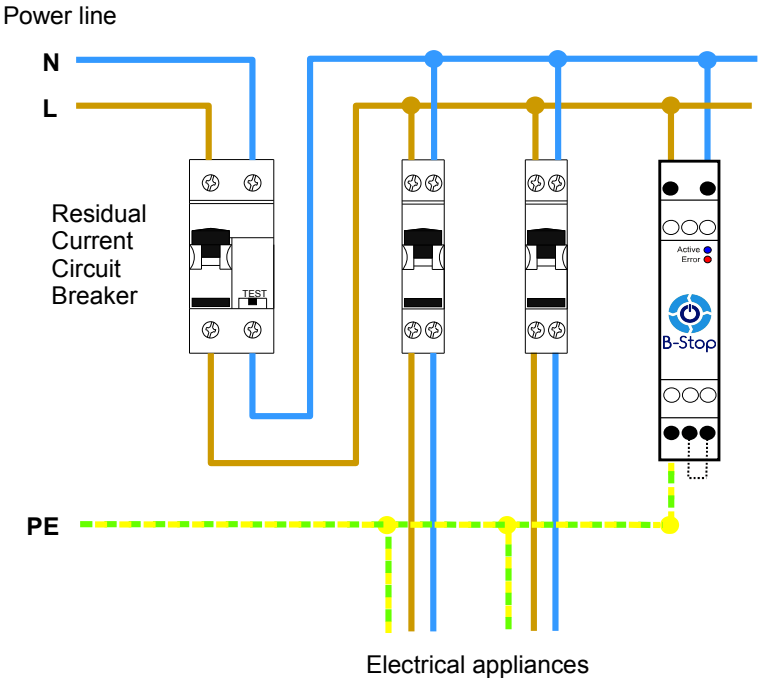
Installation

B-Stop is a device that should be **installed on DIN rail** and must be connected downstream of the residual current device with nuisance trips.
B-Stop needs 1 DIN module space inside the electrical panel and has 5 screw terminals arranged in two rows, one on top and one at the bottom.

CAUTION: The installation of the device should only be performed by qualified personnel only

In the upper part there are the terminals used for the power supply of the device. **If present, leave the central terminal not connected.** The lower part of the device is intended to interconnect the ground wire and to select the value of the compensating current.
The installation is performed by connecting both the line and neutral conductors at the upper terminal block and the earthing wire of the plant at compensation terminal on the bottom terminal.

WARNING: The swap of line and neutral conductors during installation may result in immediate RCD tripping.



The selection of the amount of current compensation can be done by wiring (or not) a jumper at the bottom terminal block as shown on the picture, close to the earth conductor. The jumper shown on the diagram as a dashed line has the following meaning:

Jumper	*Current compensation*	*Suggested for*
Open	~5 mA	RCD with threshold of 10 mA
Close	~11 mA	RCD with threshold of 30 mA

Led Signaling

B-Stop integrates a self-diagnostic feature that ease the identification of a malfunction and its related cause. It has two warning lights on the front panel:

- Blue (Active)
- Red (Error)

Accordingly to the different states of the device, the signal LEDs have the following meanings:

LED	*Description*
Flashing Blue	Normal operation
Flashing Red	- Line-Neutral swapped or - Earthing conductor not connected or - Neutral voltage too high

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Do not put the device in the household waste.
Use the collection systems available in your country

CE