



### WARNING!

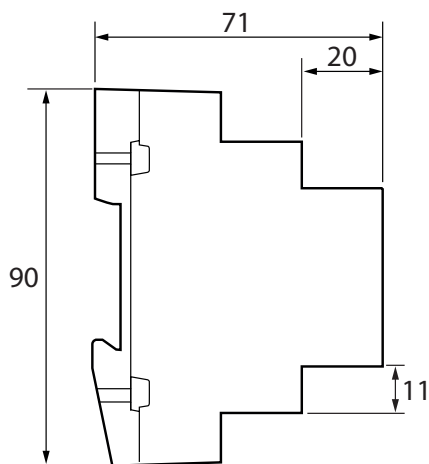
- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- This device should not be installed if, when unpacking it, you observe that it is damaged.
- Toscano cannot be held responsible in the event of non-compliance with the instructions in this document and in the documents to which it refers.
- For the correct operation of the equipment, the phases must be connected to the "L" terminals and the neutral to the "N".



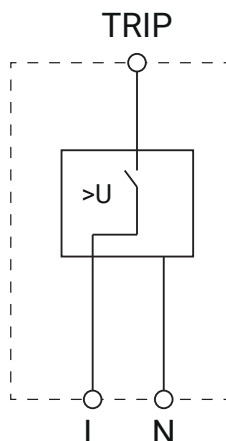
### HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Turn off all power supplying this device before working on it.
- Use a voltage tester on an appropriate range to verify that all live conductors are not energized.
- Failure to comply with these instructions may result in serious injury or even death.

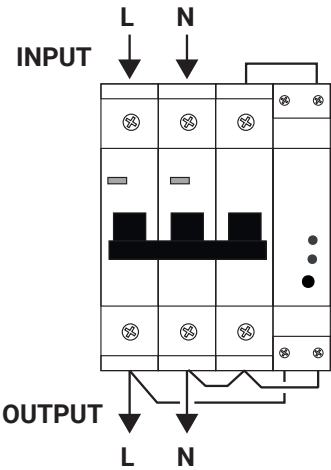
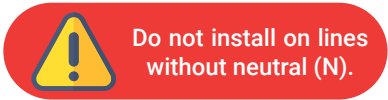
## Dimensions



## Electrical diagrams



Wiring



Technical specifications

|                                     |                                |                                                           |
|-------------------------------------|--------------------------------|-----------------------------------------------------------|
| GENERALS                            | Rated voltage Un               | 240 VAC                                                   |
|                                     | Frequency                      | 50-60 Hz                                                  |
|                                     | Power consumption              | 0.2 VA                                                    |
|                                     | Maximum terminal cross-section | 25 mm <sup>2</sup>                                        |
|                                     | Alarm contact                  | 6 A / 30 VDC, 6 A / 250 VAC                               |
|                                     | Environmental limits           | -20° +70° C / 80% H.R.                                    |
|                                     | Protection                     | IP20                                                      |
|                                     | Mounting                       | Rail DIN 35                                               |
|                                     | Number of DIN modules          | 1                                                         |
|                                     | Standards                      | 2014/35/UE (LVD)<br>2014/30/UE (EMC)<br>2011/65/UE (RoHS) |
| Dimensions (width x height x depth) |                                | 18 x 90 x 71 mm                                           |
| Average weight approx.              |                                | 60 g                                                      |

|      |                           |                                                             |
|------|---------------------------|-------------------------------------------------------------|
| PERM | Disconnection voltage     | according to standards UNE-EN 50550/63052<br>IEC 63052:2019 |
|      | Overvoltage response time |                                                             |

## ○ Description

Protection device against permanent overvoltages caused by increases in mains voltage, in single-phase installations.

## ○ Operation

The equipment continuously measures the voltage in the installation and detects any increase exceeding 10% of the nominal voltage. In the event of detecting such an anomaly, it acts on the trip coil of the MCB (Miniature Circuit Breaker).

The response time will depend on the level of overvoltage detected (according to the specifications of the UNE EN50550 Standard).

The device will become operational again once the MCB is reset, provided that the voltage is within its nominal values.

Two indicators show the status of the equipment:

**Green**  **(blinking)**: System correct and device under monitoring.

**Red**  **(blinking)**: Indicates that the installation voltage has exceeded the trip level and the timing is being carried out before action. If the voltage value normalizes during this time, it will return to the "device under monitoring" state.

**Red**  **(steady)**: An overvoltage has occurred, and remaining lit indicates that the equipment is improperly connected or there is an anomaly in the assembly formed by the MCB and the trip coil.

A test button located on the front of the device allows verification of its correct operation by simulating the overvoltage. To activate it, the button must be pressed for at least three seconds.

Check the standards that our products comply with and download their declaration of conformity at:  
**[toscano.es/standards](https://toscano.es/standards)**

