OVERSPENNINGSVERN ALARM II

Installation Instructions

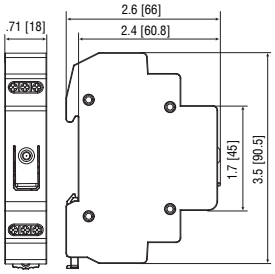
OVERSPENNINGSVERN ALARM II is a failure indication device that alarms a user if a failed SPD needs replacement. It can be quickly and easily installed on the same rail next to the SPD by making a connection between the RC contact of the SPD and the RC contact of the alarm unit. In the case of a failed SPD, the user is alarmed by a loud audible beeping sound and the illumination of a red LED. Pressing the button on the device will silence the audible sound but leave the LED illuminated until the failed SPD has been replaced.

OVERSPENNINGSVERN ALARM II

IEC Electrical		
Rated Voltage (AC)		110V – 230V
Rated Frequency		50Hz - 60Hz
Rated Current		0mA
Rated Current (Beeping)		10mA (110V); 21mA (230V)
Overcurrent Protection (max)		16A
RC Rated Current		10mA (110V); 21mA (230V)
Mechanical & Environmental		
Overvoltage Category		III
Operating Temperature Range	T_a	-20 °C to +70 °C (-4 °F to + 158 °F)
Mounting		35mm DIN Rail, EN 60715
Degree of Protection		IP 20 (built-in)
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0
Operating State/Display		Red LED / Audible Alarm
Sound Power Level (L_{WA})		70dB
Weight pounds [grams]		.21 [53]

Dimensions

inches [mm]



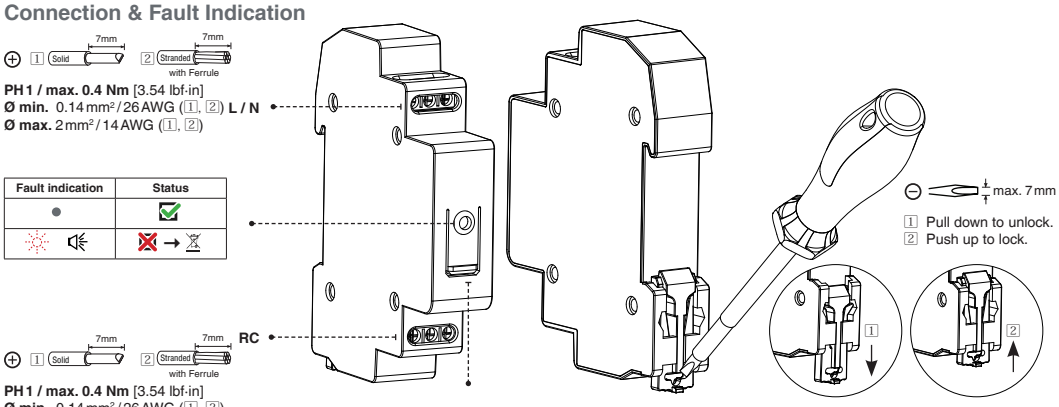
Installation

- The unit can be connected to the mains supply, protected by a fuse (F1) with a maximum rated value of 16A.
- An external disconnect device that disconnects the device from the mains AC power is required. This unit shall meet IEC 60947 and must be easily accessible and marked with suitable marks. Frequency 50-60 Hz.
- RC input of OVERSPENNINGSVERN ALARM II is connected to SPD RC output. This RC input is hazardous mains voltage. Make sure the RC of the SPD is electrically compatible with the RC of OVERSPENNINGSVERN ALARM II (230V).
- If the unit is not used in the manner specified in these instructions, then the unit's degree of protection may be impaired.
- Connect the RC output of SPD to the RC input of OVERSPENNINGSVERN ALARM II.
- Connect AC mains to power contacts of OVERSPENNINGSVERN ALARM II.
- Always connect RC contacts first, then apply AC line voltage to OVERSPENNINGSVERN ALARM II, to prevent possible electric shock during wiring RC.
- When OVERSPENNINGSVERN ALARM II is in "alarm" state, the beeping sound can be turned off by pressing the button. Red LED will glow until failed SPD is replaced.

General

- Verify the system voltage and configuration on the label to see if it is appropriate for the application.
- Risk of Electric Shock – Installation and maintenance should be performed by qualified personnel only.
- Mains voltage is present on a RC input of an energized OVERSPENNINGSVERN ALARM II.
- Safety rules and regulations applicable to all devices connected to power lines should always be followed, as well as any National Safety standards or regulations.
- The external mechanical integrity of the device must be checked before installation. Products with visible damage should not be installed.
- Use of this device is only permitted within the limits shown and stated in these installation instructions. Opening or tampering with the device invalidates the warranty.

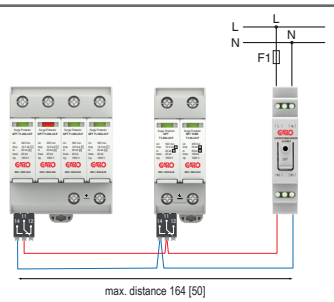
Connection & Fault Indication



The beeping sound can be turned off by pressing the button. Red LED will glow until failed SPD is replaced.

Installation

The SPD can be located at a maximum distance of 164ft [50m] from OVERSPENNINGSVERN ALARM II.



feet [m]

Standards

IEC 61010-1:2010+A1:2016
EN 61010-1:2010+A1:2019

Please read the manual before installation.

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