

### ALM3-275

#### Alarm Module

The Novaris ALM is designed to provide a remote alarm for surge protection devices (SPD) that do not have internal electronic alarms. These types of SPDs are typically the plastic housed modular type with a mechanical flag type status indicator. This type of Green/Red mechanical flag is unable to determine if the power is still applied to the SPD unlike products with internal electronic alarms.

#### Operation

The ALM is designed for 3-Phase SPDs that are protected by fuses, circuit breakers or Novaris Surge Circuit Breakers (SCB). Normally SPDs with mechanical flag type alarms cannot determine if the over current protection device has opened, they will still show a "green" window on the SPD even though the SPD is no longer connected and working. The ALM overcomes this limitation by monitoring the power at the SPD line terminals, if the power to an SPD phase is lost then the ALM module detects this and operates.

#### Alarms

The ALM has a local LED indicator and a remote alarm connection with voltage free change-over contacts. When the LED is lit everything is normal and the NO contacts (terminals 11 and 14) are closed. If power is lost to one or more phases, then the LED extinguishes and the NO contacts open and the NC contacts close.

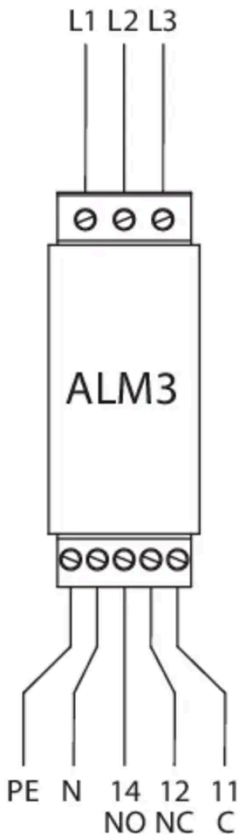
#### Safe Metal Enclosure

Novaris products are housed in safe, all metal enclosures.

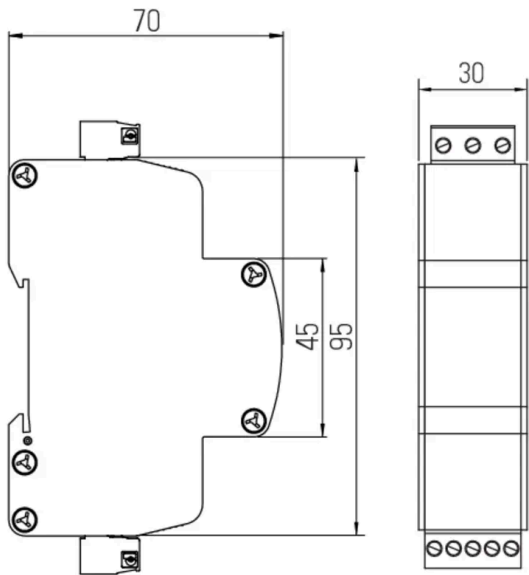


Image for illustrative purposes only

#### Wiring




#### Dimensions



## Product Datasheet

### Electrical Specifications

Connection type		Shunt
Number of ports		1
Number of phases		3
Location		Indoor
Nominal voltage	$U_o$	230VAC
Isolation between open contacts		1kV
Isolation between contact and coil		5kV
Power consumption		<17W @230V
Relay contact rating		12A @ 250VAC













### Electrical (L-N) Specifications

Maximum continuous voltage AC	$U_c$	275VAC
-------------------------------	-------	--------

### Indication Specifications

Display		LED power and status
---------	---	----------------------

### Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Aluminium
Enclosure finish		Black powdercoat
Terminal capacity - power		2.5mm <sup>2</sup>
Terminal screw torque - power		0.5Nm
Terminal capacity - alarms		2.5mm <sup>2</sup>
Terminal screw torque - alarms		0.5Nm

### Shipping Specifications

Weight		160g
--------	---	------

### Other Specifications

Product Code		ALM3-275
--------------	---	----------