

OVER VOLTAGE PROTECTION

For Obelux LED Aviation Obstruction Lights

OBELUX
AVIATION LIGHTS

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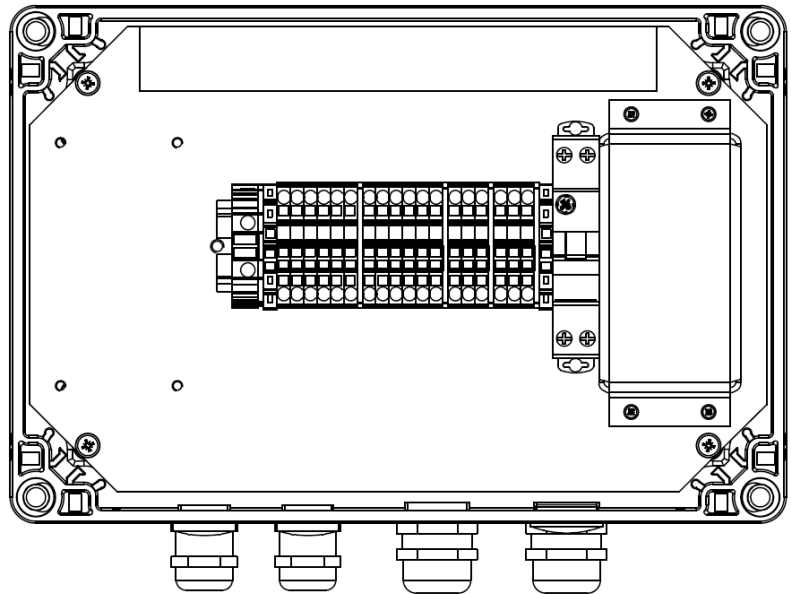
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Mechanical characteristics

- ▶ Shock-resistant polycarbonate enclosure (IP65)
- ▶ Enclosure dimensions (WxHxD): 300 mm x 200 mm x 132 mm
- ▶ Weight <3,2kg
- ▶ Cable glands: 4 x M25 (9-17mm cable diameter), 3 x M20 (8-14 mm cable diameter)

Electrical characteristics

- ▶ Operating voltage 100-240VAC
- ▶ Surge protection component: Raycap Strikesorb 30-B-M
- ▶ Operating temperature range -40 °C ...+55 °C



Over Voltage protection

LED Aviation Obstruction Light Over Voltage Protection

Obelux Tower OVP is used for over voltage protection for Obelux light heads. Surge protection is based on the Raycap Strikesorb 30-B-M.

Key Features

- ▶ Over voltage protection for Obelux light heads
- ▶ Protection component: Raycap Strikesorb 30-B-M
- ▶ Two output version can be used to distribute 230VAC power and fault relay for two light heads
- ▶ Long maintenance-free lifetime

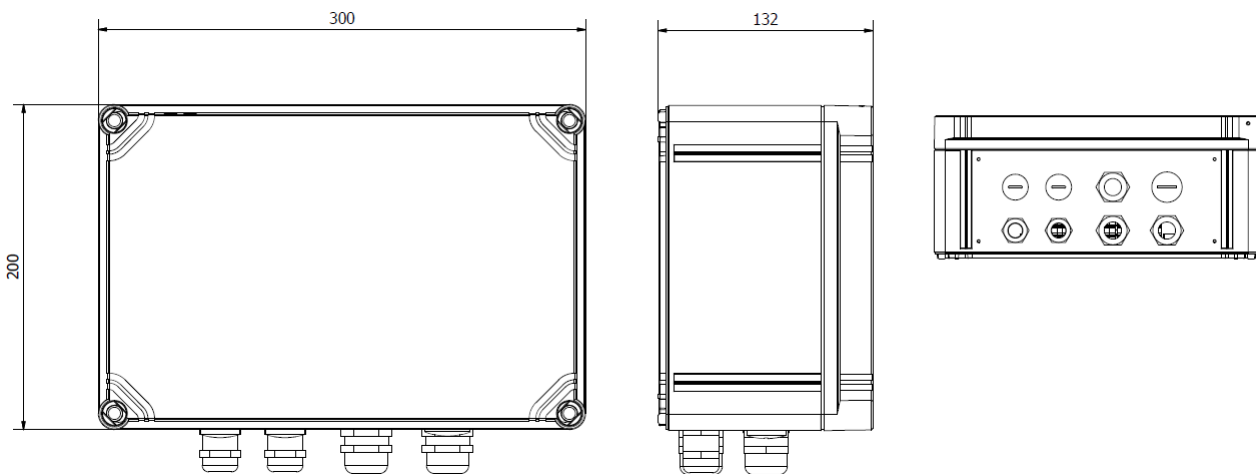
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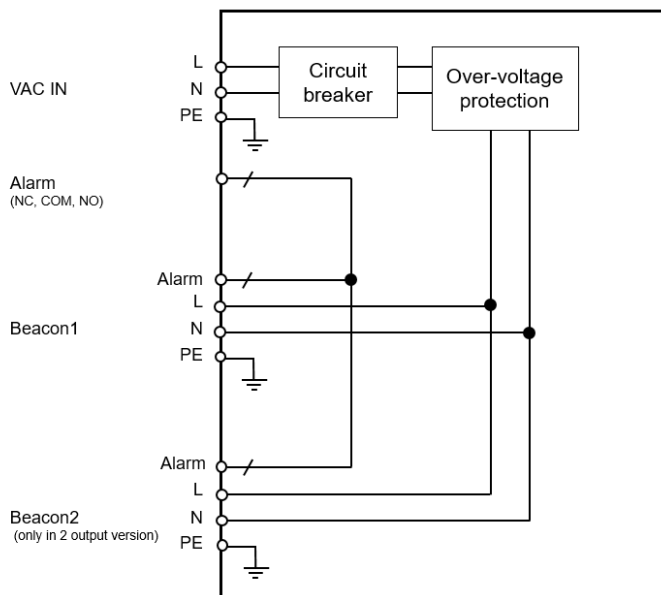
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2 Enclosure dimensions



1 Block diagram of the device

Order code	Operating voltage	Number of Outputs	Packing dimensions
OVP-ACW-1-P	100-240VAC	1	330x330x150mm, 3.5kg
OVP-ACW-2-P	100-240VAC	2	330x330x150mm, 3.5kg

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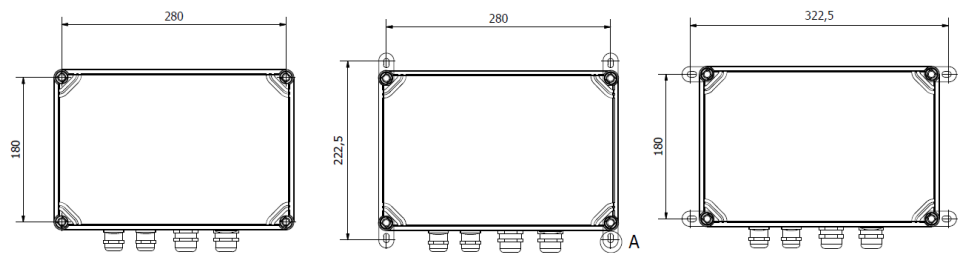
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Installation specifications

- ▶ Cable glands: 4 x M25 (9-17mm cable diameter), 3 x M20 (8-14 mm cable diameter)
- ▶ Cable wire diameter 0,2 – 2.5mm²

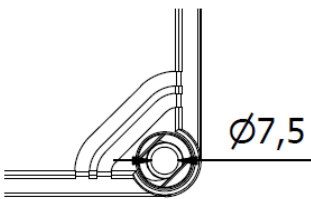
Installation instructions

Mount the device to the selected mounting point using quality made fasteners. When the cover door is open, check that there is no inflow of water (incl. hail and snow) into the cabinet.

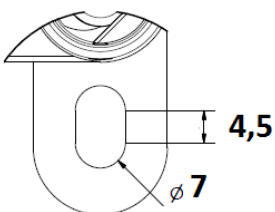


Route cables using cable glands on the bottom side of the device. Connect the cable wires securely to appropriate terminal block connectors.

Place the cover properly on its place and securely tighten all four screws on all corners of the cover. Make sure that all unused glands or gland holes are plugged shut.



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3. Mounting points

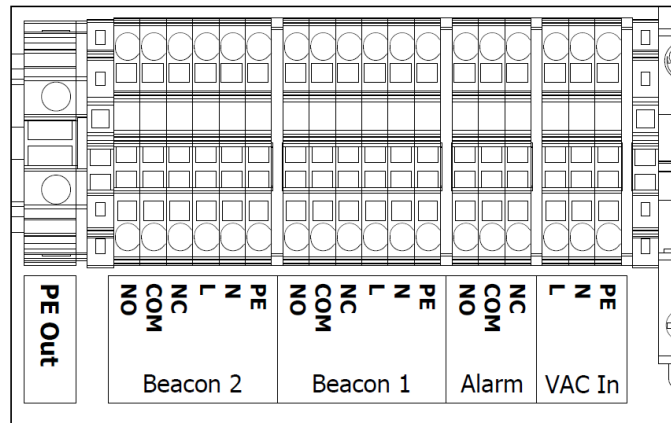
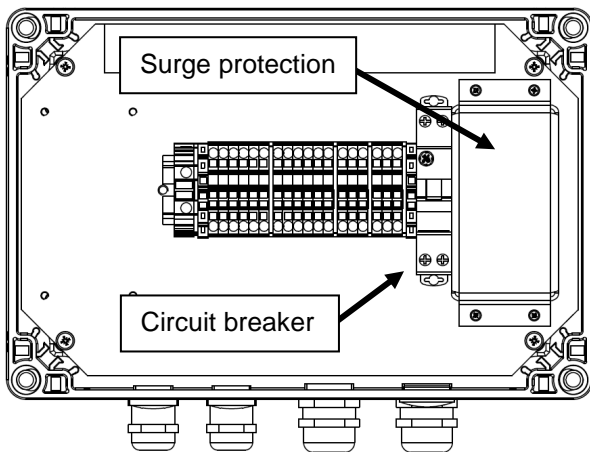
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1 VAC IN and Alarm

Mark	Description	Information
PE	Protective earth	PE line is typically indicated with yellow/green colour.
N	Neutral terminal	Colour typically blue.
L	Live terminal	Colour typically brown.
NC	Normally Connected	During normal operations, connected with COM (Common)
COM	Common	Common relay contact
NO	Normally Open	In alarm, connected with COM (Common)

Connector is push in terminal block.

2 Beacon 1

Mark	Description	Information
PE	Protective earth	PE line is typically indicated with yellow/green colour.
N	Neutral terminal	Colour typically blue.
L	Live terminal	Colour typically brown.
NC	Normally Connected	During normal operations, connected with COM (Common)
COM	Common	Common relay contact
NO	Normally Open	In alarm, connected with COM (Common)

Connector is push in terminal block.

3 Beacon 2

Mark	Description	Information
PE	Protective earth	PE line is typically indicated with yellow/green colour.
N	Neutral terminal	Colour typically blue.
L	Live terminal	Colour typically brown.
NC	Normally Connected	During normal operations, connected with COM (Common)
COM	Common	Common relay contact
NO	Normally Open	In alarm, connected with COM (Common)

Connector is push in terminal block. Only in OVP-ACW-2-P version.

4 Device ground

Connect PE Out to a good ground point.