

Control Panel M1

For Obelux LED Aviation Obstruction Lights

OBELUX
AVIATION LIGHTS

Obelux Oy, Kutumotie 6 B, 00380 Helsinki FINLAND | The information in this document is subject to change without notice.

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Mechanical characteristics

► Design degree of protection

Polycarbonate: IP66

Steel: IP65 (ventilation IP44)

► Cabinet size

Steel: 300x200x150 mm

Polycarbonate: 300x200x132 mm

► Weight

Steel cabinets <5 kg

Polycarbonate cabinets <2,5 kg

► Cable glands

4 x M20 (Ø6-13 mm cable)

4 x M25 (Ø11-17 mm cable)

EMC glands in steel cabinets

Electrical characteristics

► Operating voltage

100-240 VAC or

10-60 VDC

► Operating temperature range

-40°C to +55°C

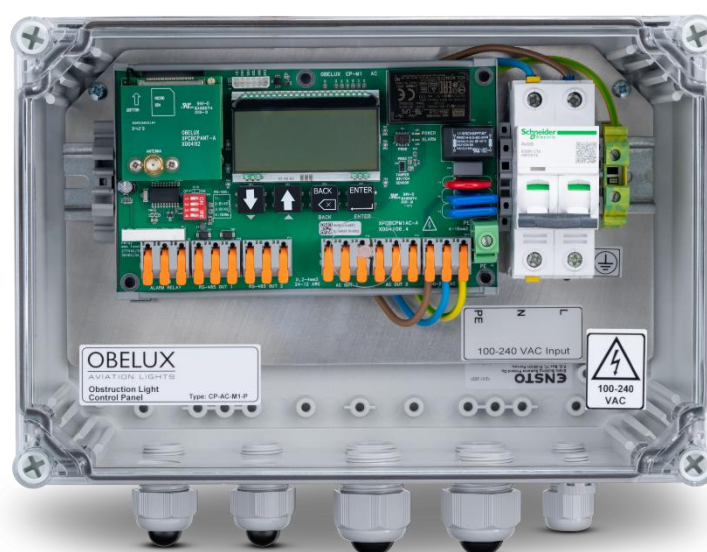
► Power consumption 1 W

► Serial ports (RS-485)

► Alarm Output NO/NC dry contact.

Switch voltage/current max:

50VDC (1A), 250 VAC (8A)



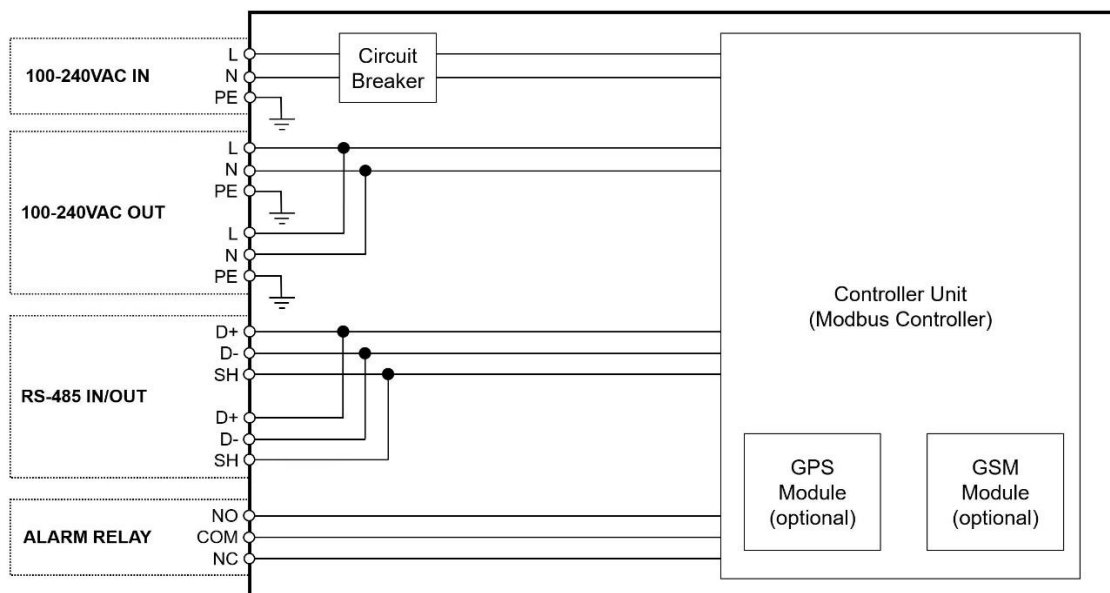
Control Panel M1

The Obelux Control Panel M1 provides centralized control of Obelux aviation lights. It provides individual monitoring and configuration of each connected light and features an alarm output.

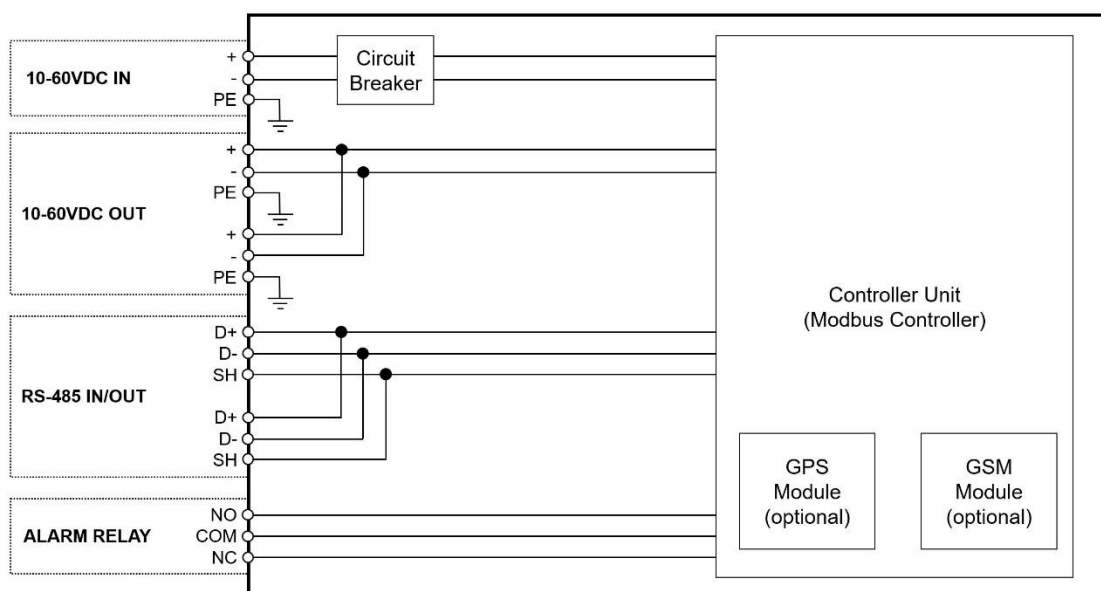
An optional 4G/LTE modem is also available for remote connectivity via short messages (SMS) and mobile data.

Key Features

- Centralized control of Obelux aviation lights
- Compact design
- Individual monitoring and configuration of each connected light using LCD screen
- Alarm output (dry contact)
- Data connection with aviation lights via RS-485 Modbus
- 4G/LTE modem for remote connectivity via SMS and mobile data as an option
- Cabinet options: polycarbonate, painted steel, stainless steel, acid-proof steel
- Overvoltage protection
- 5-year warranty



1. Block diagram for AC models



2. Block diagram for DC models

Order code	Operating voltage	4G/LTE/NB-IOT	Dimensions (L x W x D)	Weight
CP-AC-M1-x-y	100-240 VAC	-	300 x 200 x 132 mm	<2,5 kg
CP-AC-M1-T-x-y	100-240 VAC	4G/LTE	300 x 200 x 150 mm	<5 kg
CP-AC-M1-N-x-y	100-240 VAC	NB-IOT	300 x 200 x 150 mm	<5 kg
CP-DC-M1-x-y	10-60 VDC	-	300 x 200 x 132 mm	<2,5 kg
CP-DC-M1-T-x-y	10-60 VDC	4G/LTE	300 x 200 x 150 mm	<5 kg
CP-DC-M1-N-x-y	10-60 VDC	NB-IOT	300 x 200 x 150 mm	<5 kg

T = 4G/LTE modem option, modem warranty 1 year
 NB-IOT modem warranty 1 year

x: options

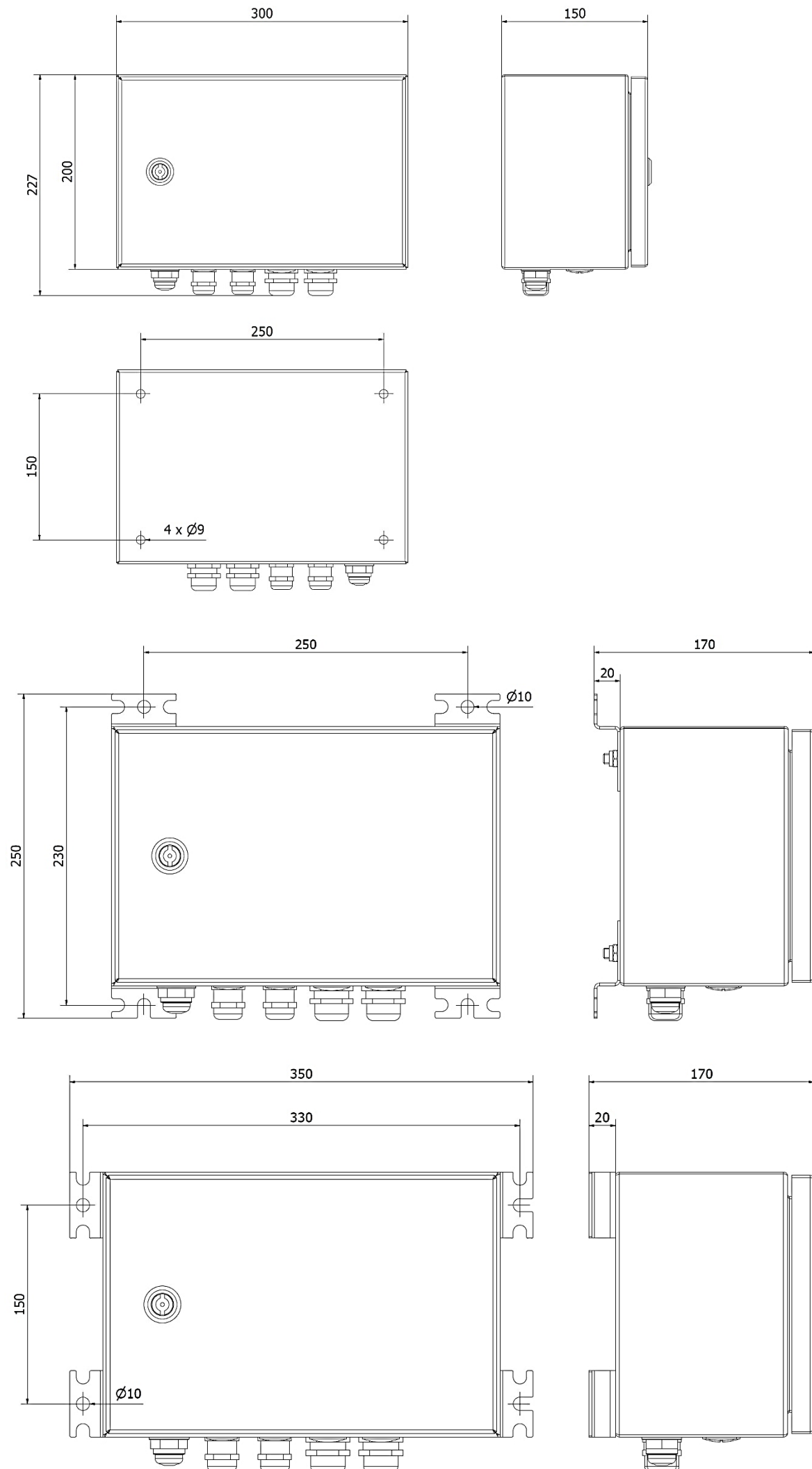
G = GPS Synchronization

y: cabinet type

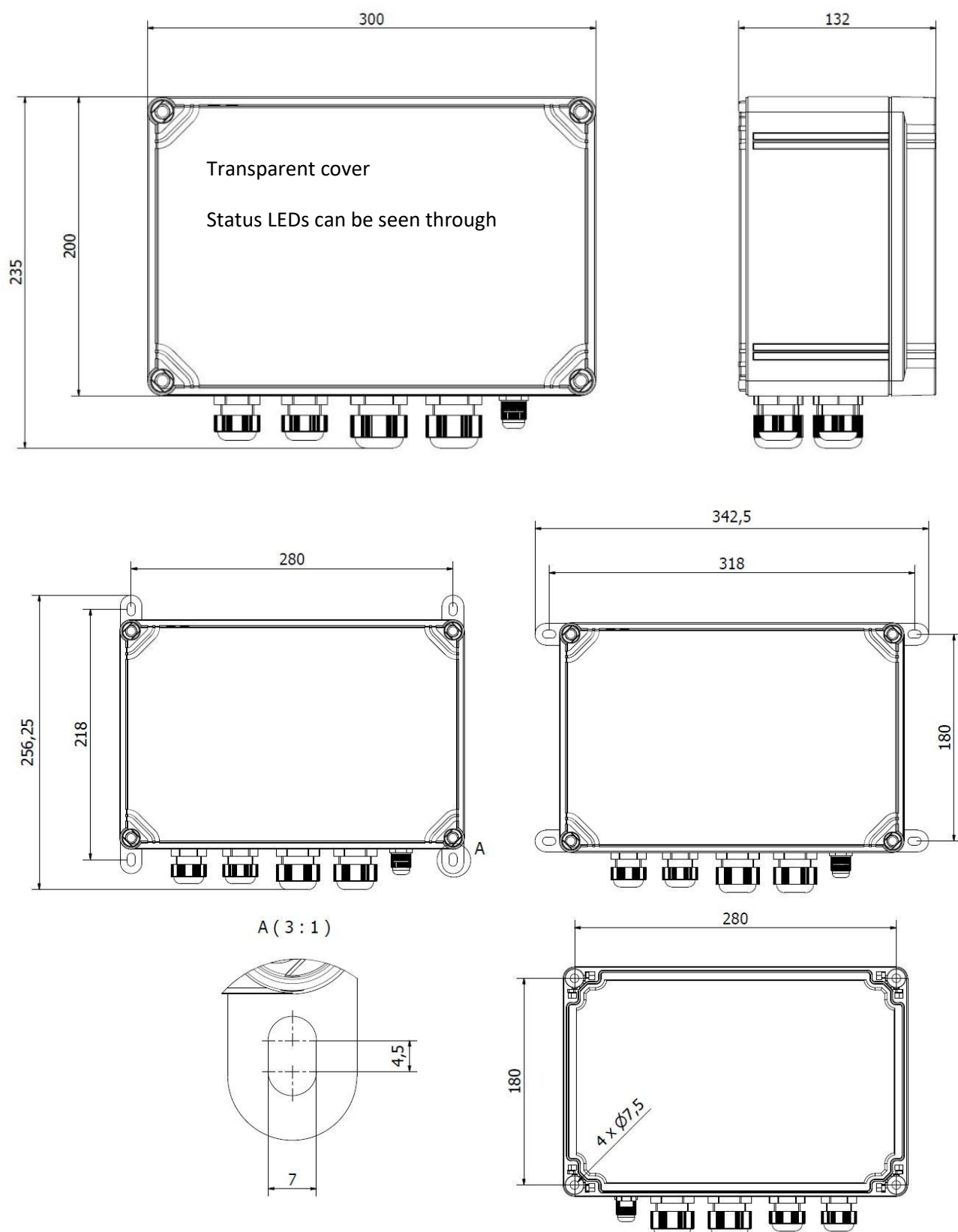
P = Polycarbonate
 (Status LEDs can be seen through transparent cover)
 S = Painted Steel (RAL 7035)
 SS = Stainless Steel (AISI 304)
 AS = Acidproof Steel (AISI 316)

Packing Dimensions

Polycarbonate cabinets: 330 x 330 x 150 mm, 2,5 kg
 Steel cabinets: 400 x 250 x 200 mm, 5,0 kg



3. Steel cabinet dimensions



4. Polycarbonate cabinet dimensions