

# Control Panel M1

For Obelux LED Aviation Obstruction Lights

**OBELUX**  
AVIATION LIGHTS

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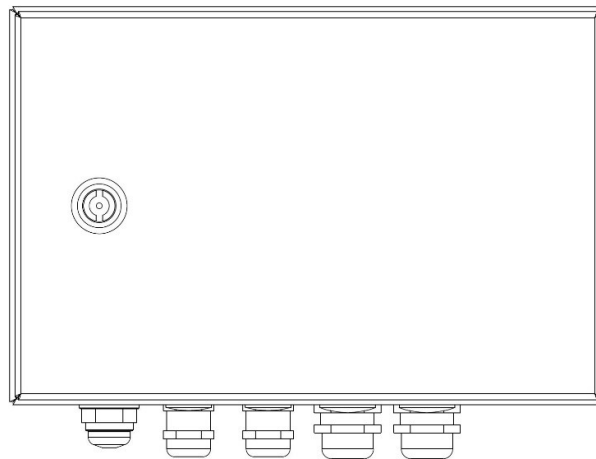
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## Mechanical characteristics

- ▶ Design degree of protection:  
Polycarbonate: IP65  
Steel: IP65 (ventilation IP44)
- ▶ Cabinet size:  
Metal cabinets 300x200x150 mm  
Polycarbonate 300x200x132 mm
- ▶ Weight:  
Metal cabinets <5 kg  
Polycarbonate <2,5 kg
- ▶ Cable glands:  
4 x M20 (Ø6-13 mm cable)  
4 x M25 (Ø11-17 mm cable)  
EMC glands in metal cabinets

## Electrical characteristics

- ▶ Operating voltages:  
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)

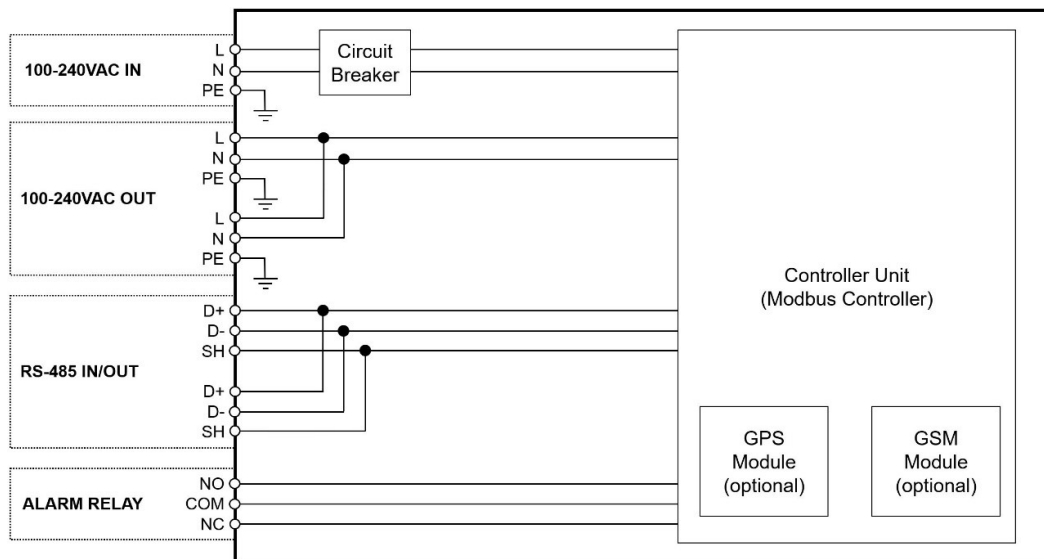


## Control Panel M1

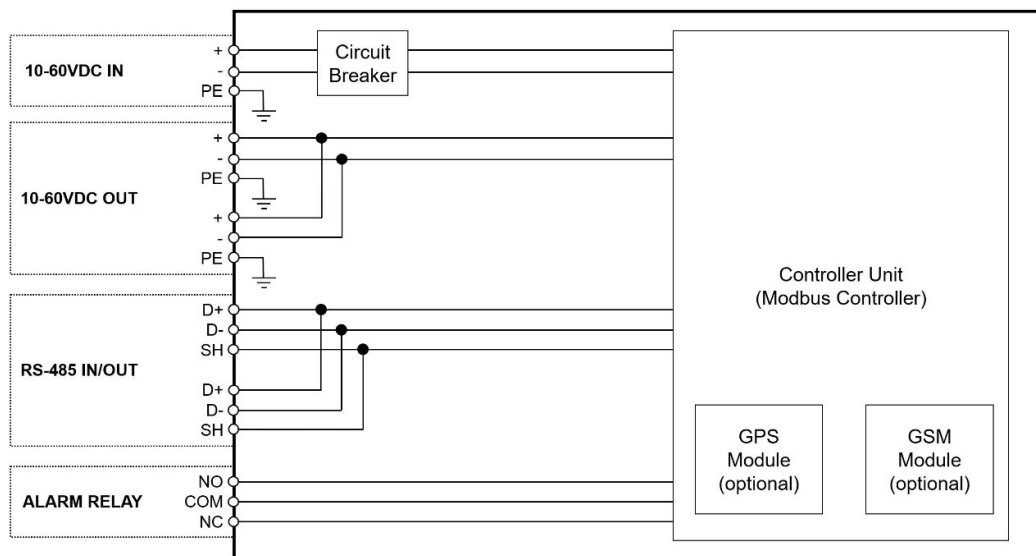
Obelux Control Panel M1 is designed for controlling Obelux aviation lights. The unit offers several features including GPS synchronization (from GPS capable light or optional receiver within cabinet), GSM monitoring (4G/LTE), several flash modes and fault signal in case of a malfunction.

### Key Features

- ▶ Designed for controlling Obelux aviation lights
- ▶ Small and compact size
- ▶ Alarm output (dry contact)
- ▶ Overvoltage protection
- ▶ Maintenance free system



1. Block diagram for AC models



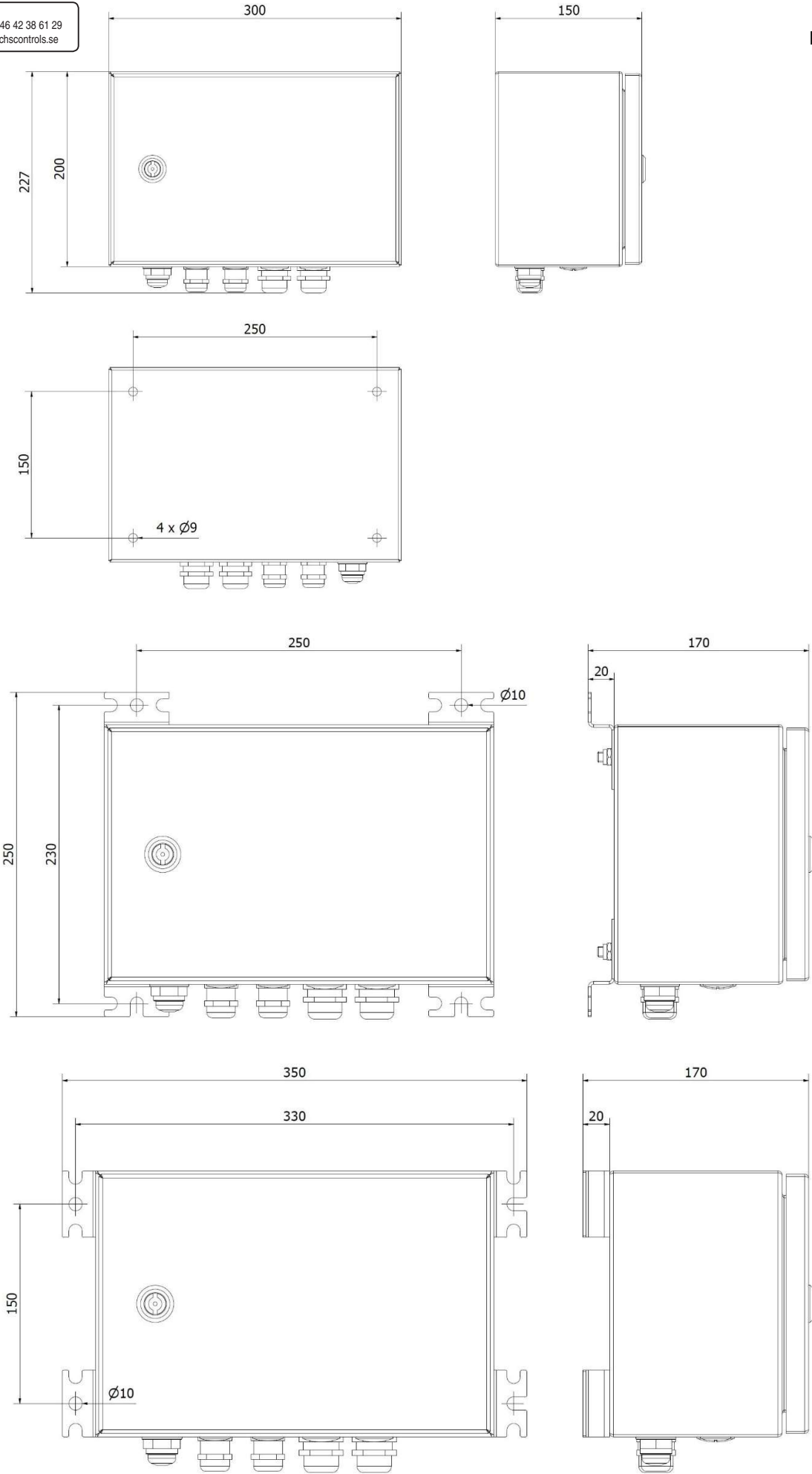
2. Block diagram for DC models

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

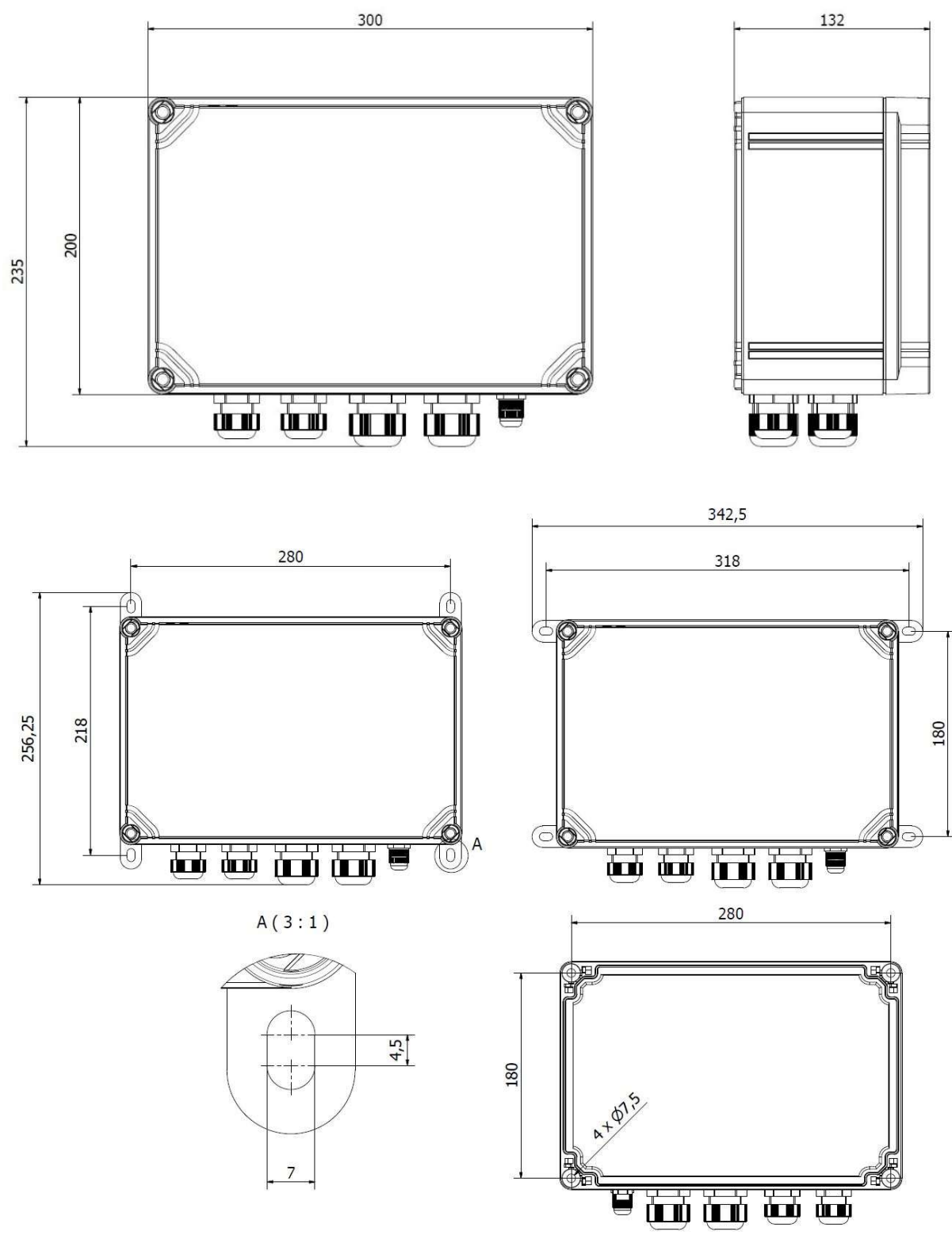
**x:**  
 [ ] = no options  
 G = GPS Synchronization

**y:**  
 P = Polycarbonate Enclosure  
 S = Painted Steel (RAL 7035)  
 SS = Stainless Steel (AISI 304)  
 AS = Acidproof Steel (AISI 316)

**Packing Dimensions:**  
 Polycarbonate: 330 x 330 x 150 mm, 2,5 kg  
 Steel versions: 400 x 250 x 200 mm, 5,0 kg



3. Cabin dimensions (steel versions)



4. Cabin dimensions (polycarbonate version)