

Local Controller

For Obelux LED Aviation Obstruction Lights

OBELUX
AVIATION LIGHTS

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Mechanical characteristics

- ▶ **Enclosure:**
Painted steel (RAL 7035)
Degree of protection IP65
- ▶ **Dimensions (W x H x D):**
300 x 400 x 200 mm
- ▶ **Weight:** < 12 kg
- ▶ **Cable glands:**
5 x M20 (Ø6-13 mm cable) EMC
4 x M25 (Ø11-17 mm cable) EMC
1 x M25 split (Ø6-9 mm cable) for Ethernet

Electrical characteristics

- ▶ **Input voltage:** 230 V_{AC} or 24 V_{DC}
- ▶ **Output voltage:** 230 V_{AC} or 24 V_{DC}
- ▶ **Power consumption:** < 10 W
- ▶ **Serial ports:** 3 x RS-485 (Modbus),
1 x RS-232
- ▶ **Ethernet connection:**
RJ45 or Optic Fibre (multimode)
- ▶ **Alarm relay:** NO/NC dry contact
230 V_{AC} / 3A
- ▶ **Operating temperature range:**
-40°C to +55°C
- ▶ **Overvoltage protection:**
Raycap Strikesorb 30-B-M (230 V_{AC}
models)

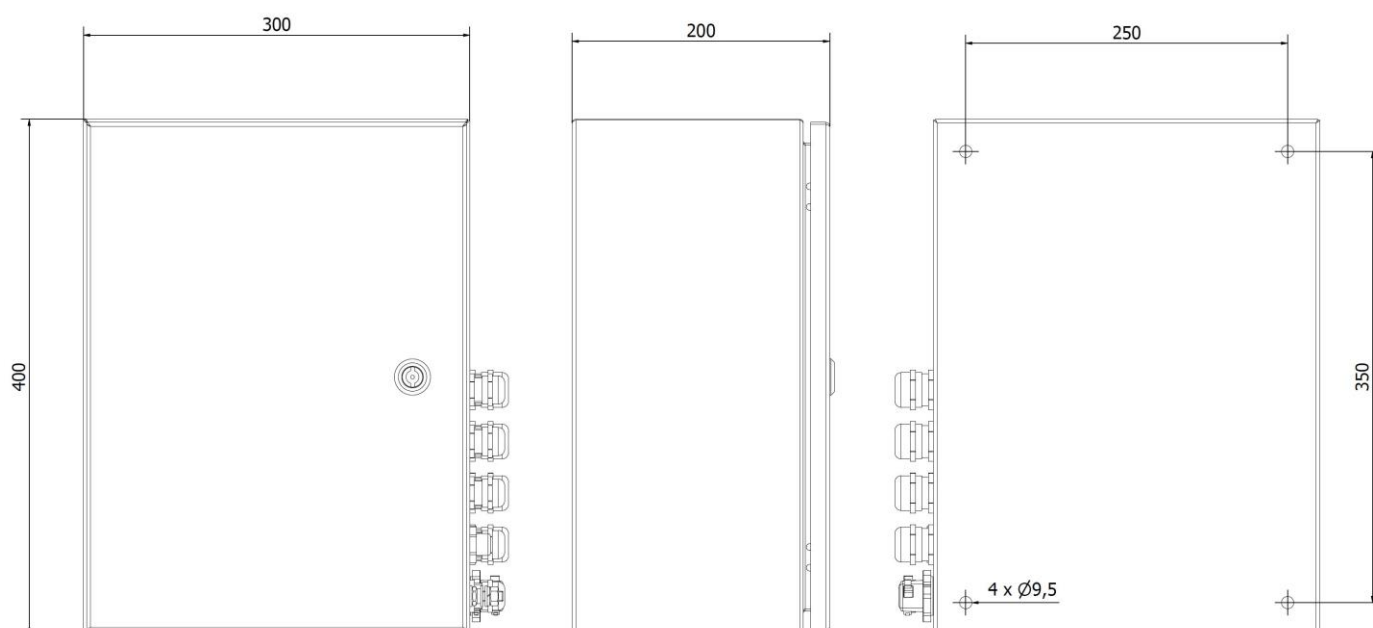


Local Controller - Aviation Light Management System

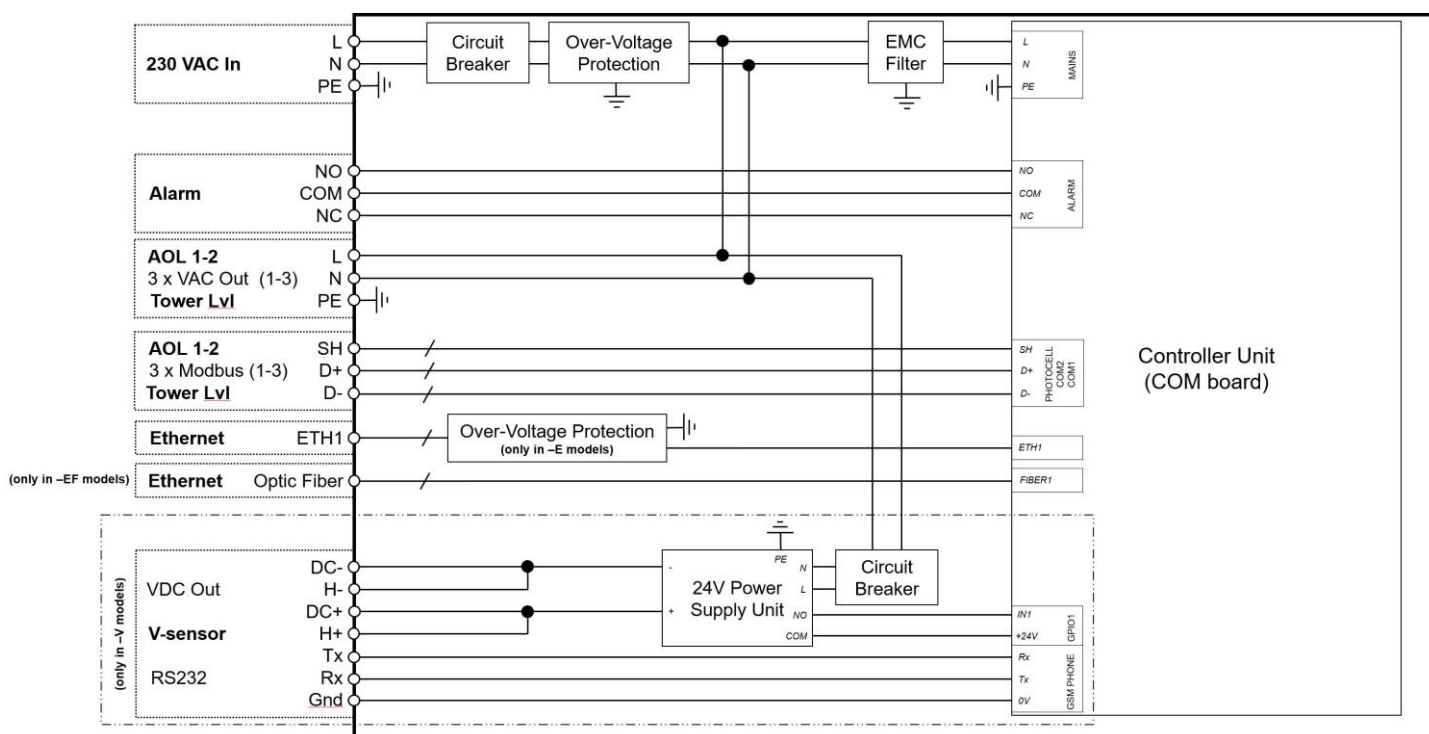
Obelux Local Controller (LC) is used for controlling and monitoring a large number of Obelux aviation lights. LC offers full system management for different devices, such as lights and visibility sensors which are connected to the same network. LC offers user-friendly color LCD screen for accessing the system locally.

Key Features

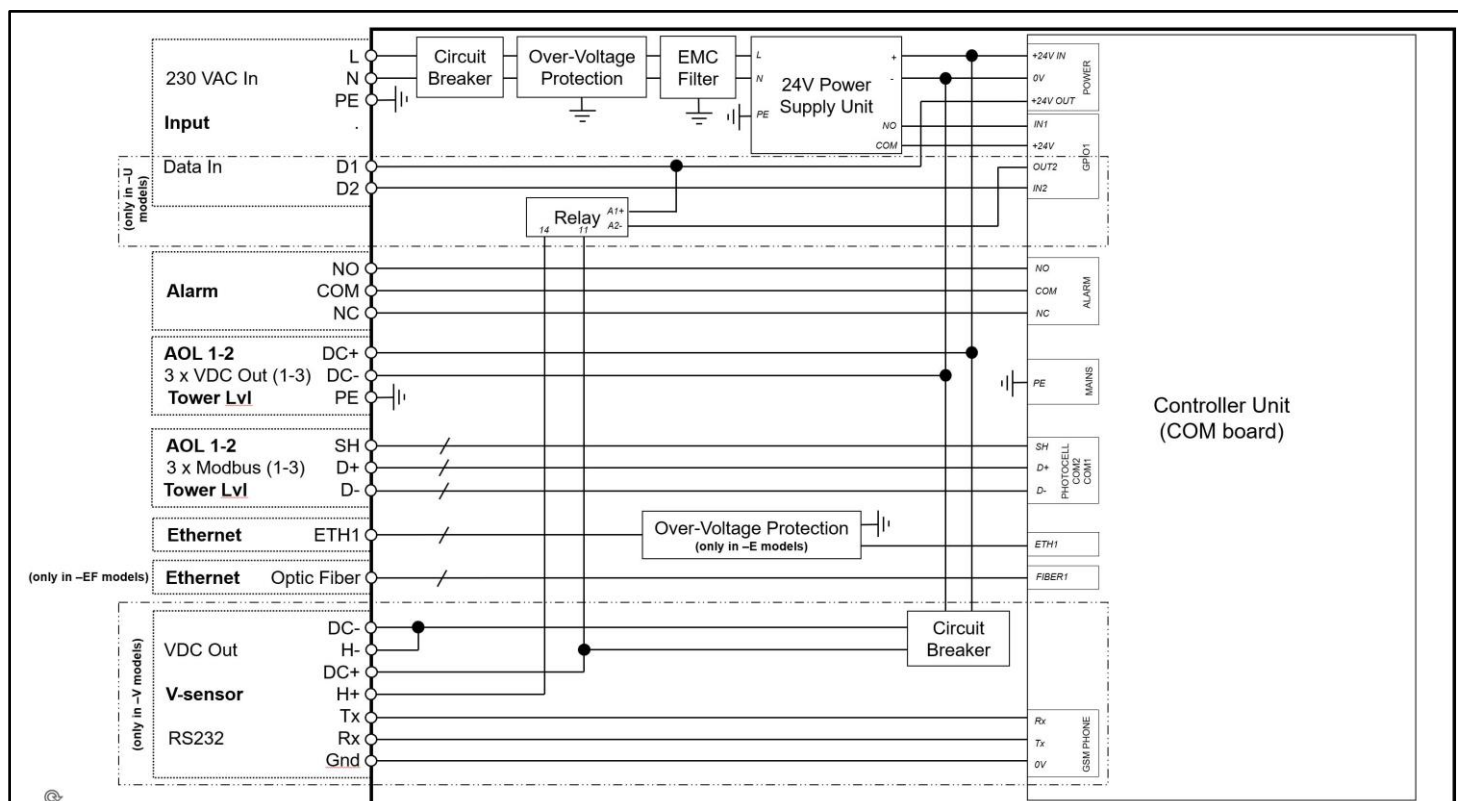
- ▶ Provides full system management for Obelux aviation lights
- ▶ Allows intensity adjustment (100% / 30% / 10%) with visibility sensor
- ▶ Serial ports (RS-485 and RS-232) and I/O signals as a standard
- ▶ Easy to connect to SCADA or Ethernet/IP network by using either optic fibre or standard RJ45 connector.
- ▶ Small and compact size
- ▶ Alarm output (dry contact)
- ▶ Overvoltage protection
- ▶ Maintenance free system



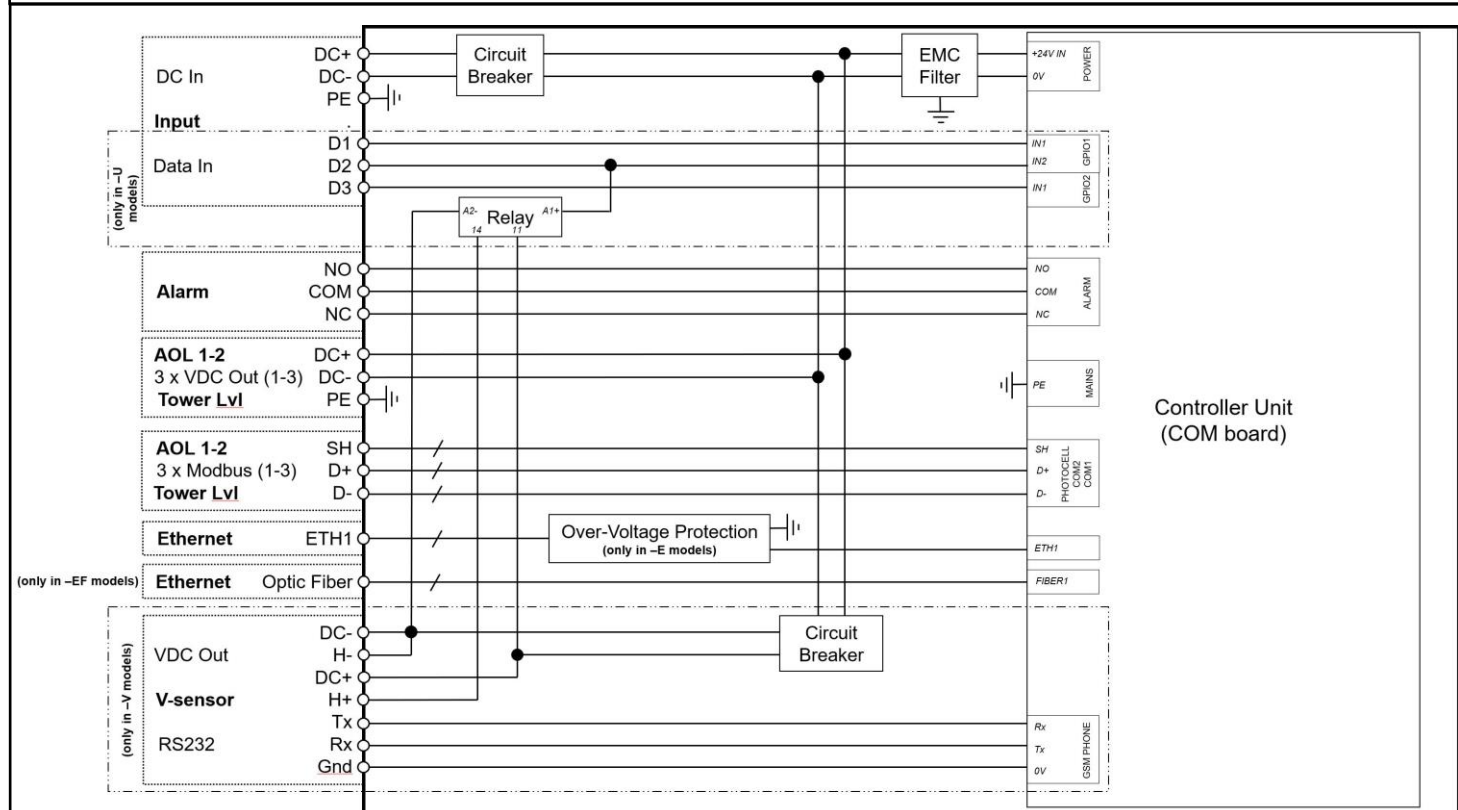
1. Cabinet dimensions



2. Block diagram of LC-230-models



3. Block diagram of LC-230-24-models



4. Block diagram of LC-024-models

Order code:	Input voltage:	Output voltage:	Visibility sensor support:	Visibility sensor heater relay:	Ethernet connection OVP (RJ45):	Ethernet connection (Optic fibre):	Packing dimensions:
LC-230-E-S	230 V _{AC}	230 V _{AC}	No	No	Yes	No	480 x 390 x 300 mm, 12 kg
LC-230-EF-S	230 V _{AC}	230 V _{AC}	No	No	No	Yes	480 x 390 x 300 mm, 12 kg
LC-230-VE-S	230 V _{AC}	230 V _{AC}	Yes	No	Yes	No	480 x 390 x 300 mm, 13,2 kg
LC-230-VEF-S	230 V _{AC}	230 V _{AC}	Yes	No	No	Yes	480 x 390 x 300 mm, 13,2 kg
LC-230-24-VUE-S	230 V _{AC}	24 V _{DC}	Yes	Yes	Yes	No	480 x 390 x 300 mm, 13,2 kg
LC-024-VE-S	24 V _{DC}	24 V _{DC}	Yes	No	Yes	No	480 x 390 x 300 mm, 12 kg
LC-024-VUE-S	24 V _{DC}	24 V _{DC}	Yes	Yes	Yes	No	480 x 390 x 300 mm, 12 kg