1 O450HLED   OPTASON

Traffic Light L.E.D. Array Beacon
18 x High powered L.E.D's
IP Rating: IP65
Temp: -40°C to +70°C
Relative Humidity: 95% @ 20°C
Unit weight: 410g
CE

Dimensions : Ø140 x 177mm
2 x Pluggable, 0.2 - 2.5mm² / AWG24 - AWG12
Cable entry: 1 x 5-7mm push through grommet
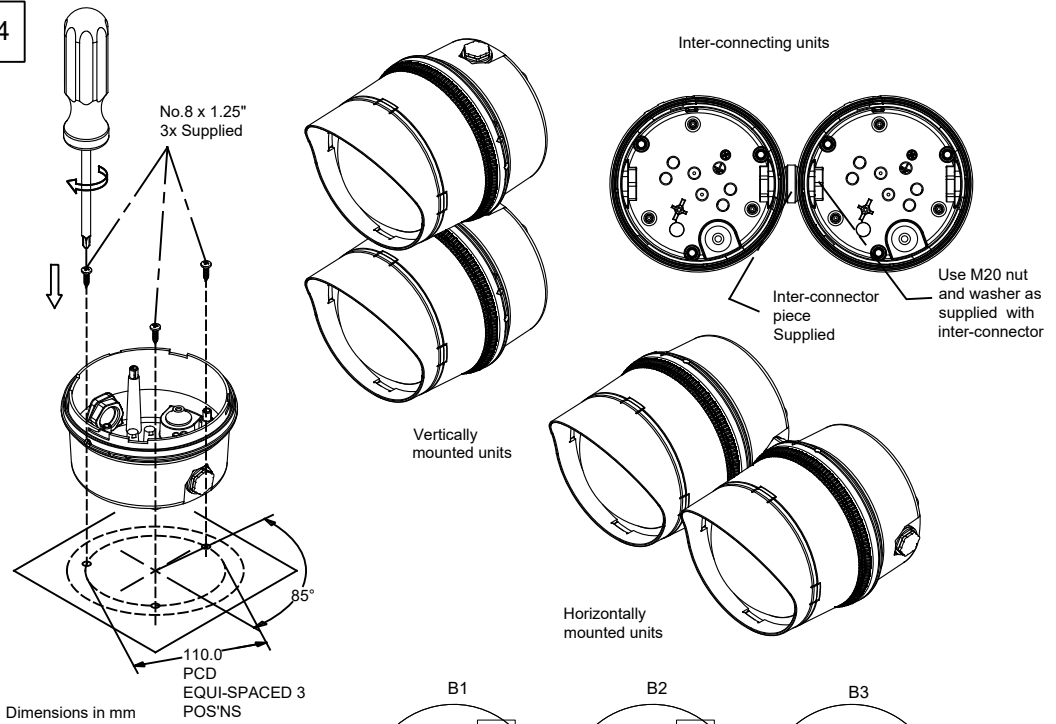2 x M20 cable entry (IP65)

Order code	Voltage	Current
O450HLED024X	10-14V DC (12VDC Customer Set if required)	160mA@12V DC
	16-33V DC (24VDC Mode Set as Default)	180mA @ 24V DC
O450HLED230X	48-260V AC 50/60Hz	90mA @ 230V AC
	48-260V AC 50/60Hz	55mA @ 115V AC
	48 - 260V DC	

X = Lens colour
0 = Clear   2 = Amber   3 = Red   4 = Blue   5 = Yellow   6 = Green

Multi-unit connection possible using connector supplied
O450 and O350 units are interconnectable
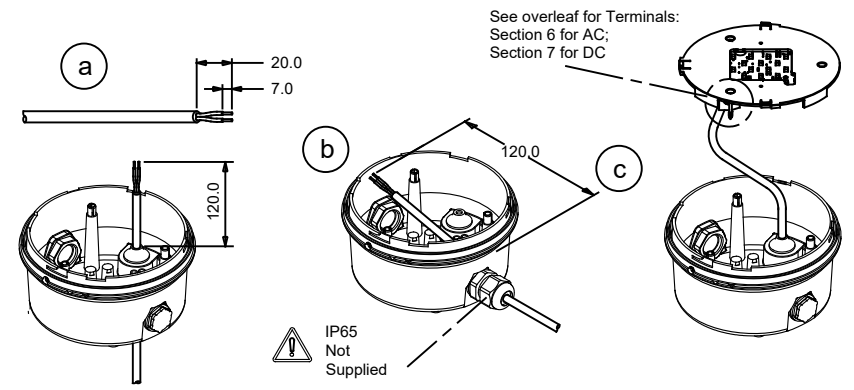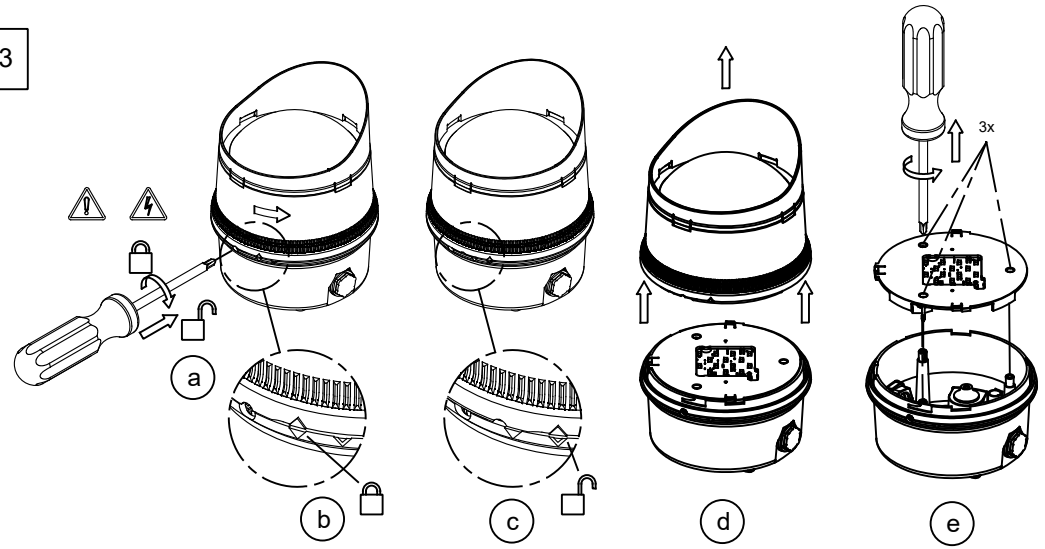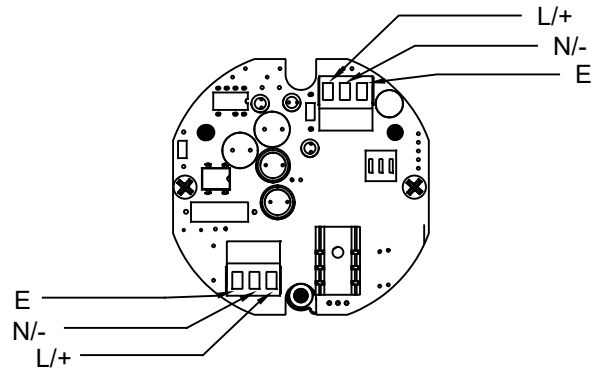
2 Warnings

⚠ **ATTENTION**: Installation must be carried out by an electrician in compliance with the latest codes and regulations.

⚡ **ATTENTION**: Disconnect from power source before installation or service to prevent electric shock.
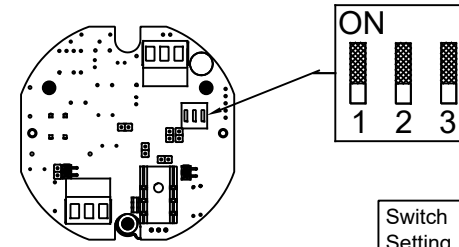
3

a   b   c   d   e

4

No.8 x 1.25"
3x Supplied

Inter-connecting units

Inter-connector piece Supplied

Use M20 nut and washer as supplied with inter-connector

Vertically mounted units

Horizontally mounted units

Dimensions in mm

85°
110.0
PCD
EQUI-SPACED 3
POS'NS

B1   B2   B3

L/+ N/- E

E N/- L/+

Common E
Common N/-
B1 L/+

Spare 2-way Terminals shown in Bases

B2 L/+
B3 L/+

Suggested Customer Wiring for connected units

Optional Accessories

EQO450   Mounting bracket kit for linked multiple O450 type units.

5

a   20.0   7.0   120.0

See overleaf for Terminals:
Section 6 for AC;
Section 7 for DC

b   120.0   c

⚠ IP65 Not Supplied

6 | AC Terminals

L/+
N/-
E

E
N/-
L/+

(æ&t)

8 | Flash Settings (All Units)

ON
1 2 3

Flash Mode Dip Switch
Shown with 1-OFF, 2-OFF, 3-OFF (0 0 0).
This denotes flash mode Steady On
(Default setting). For further flash modes,
see table below

Switch Setting	Flash Mode
(1 2 3)	(All Units)
(0 0 0)	Steady On
(1 0 0)	Blinking
(0 1 0)	Flashing 1Hz
(1 1 0)	Flashing 1.5Hz
(0 0 1)	Flashing Double Strike
(1 0 1)	Flashing Triple Strike
(0 1 1)	Flashing 2Hz
(1 1 1)	Flashing - Temporal

7 | DC Terminals & Voltage Link Settings

+
-
E
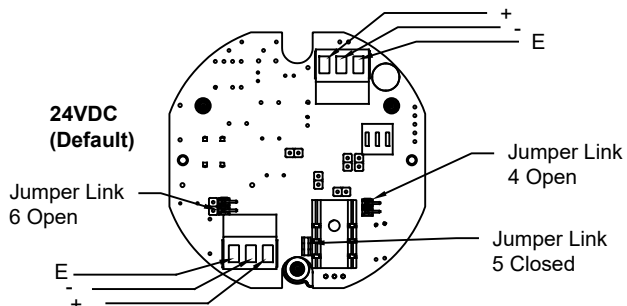
24VDC (Default)

Jumper Link 6 Open

Jumper Link 4 Open

Jumper Link 5 Closed

E
-
+

+
-
E

12VDC

Jumper Link 6 Closed

Jumper Link 4 Closed

Jumper Link 5 Open

E
-
+

Jumper Setting	Jumper Link 4	Jumper Link 5	Jumper Link 6
24VDC Mode (Default)	Open	Closed	Open
12VDC Mode (Customer set)	Closed	Open	Closed

9

3x

a

b

c

d

e