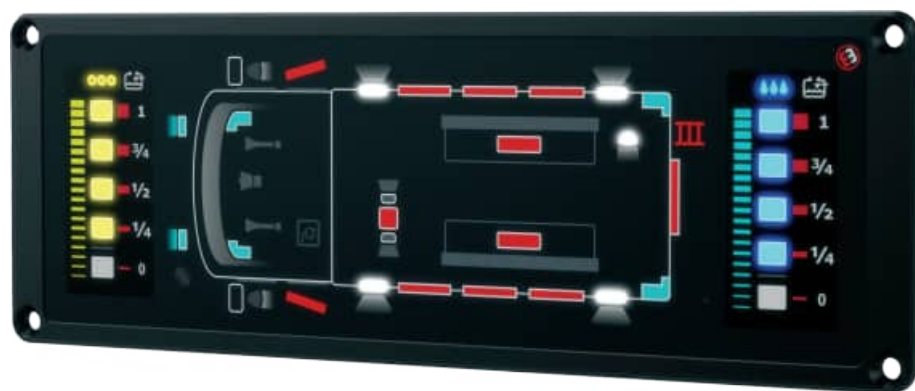


SHUTTER + LIGHT MONITOR

SLM-XS / SLM-XS-W / SLM-XS-WF



KEY FEATURES

- + 22 Digital Inputs, positive or negative
- + Ambient Light Sensor
- + Colour LEDs
- + Integrated Warning Buzzer
- + Selectable Remote Water/Foam Tank Level Indicator
- + CAN Bus Interface

The **S&L Monitor** is designed to monitor open side lockers (roller shutters), roof boxes, ladder and displays the status of different kinds of emergency and other lights on special vehicles.

Key advantage: Integrated Water and Foam remote level indicator as optional feature. State of monitored devices will be indicated with LED warning lights in different colours.

Integrated buzzer can signalize raised light mast, open roof boxes and open ladder to draw special attention to the driver at the moment that the parking brake has been released.

Monitoring is provided through 22 digital inputs. Digital inputs are connected via uP to altogether 37 LED lights. Digital inputs can be connected to GND or +UBatt signal, to detect the status of connected lamps, shutters or other equipment. An integrated photo sensor detects the ambient light and automatically adjusts the LED intensity for day or night operation.

SPECIFICATIONS

POWER

Supply Voltage 8-30 V DC

Current 0.2 A maximum, no outputs active

Electrical Protection overvoltage, reverse polarity

INTERFACES

CAN 1 x CAN

CAN termination configurable termination 120 ohm via DIP switch

INPUTS

Digital Input 22 configurable-active low/high, levels 0 .. Ub

MISCELLANEOUS

Level Indication Water and Foam level optional, remote type

Indicator increments 1/4

Day/Night operation automatic – integrated ambient light sensor

LED indication colour LED (white, blue, red, yellow)

ENVIRONMENT

IP Class (IEC529) front panel – IP65

Temperature Range storage -40° to +85°C (-40° to 185°F)
operating -40° to +85°C (-40° to 185°F)

ENCLOSURE

Housing Material aluminium-black coated

Mounting in-dash, with 4 screws M3 or 2.9 tapping screws

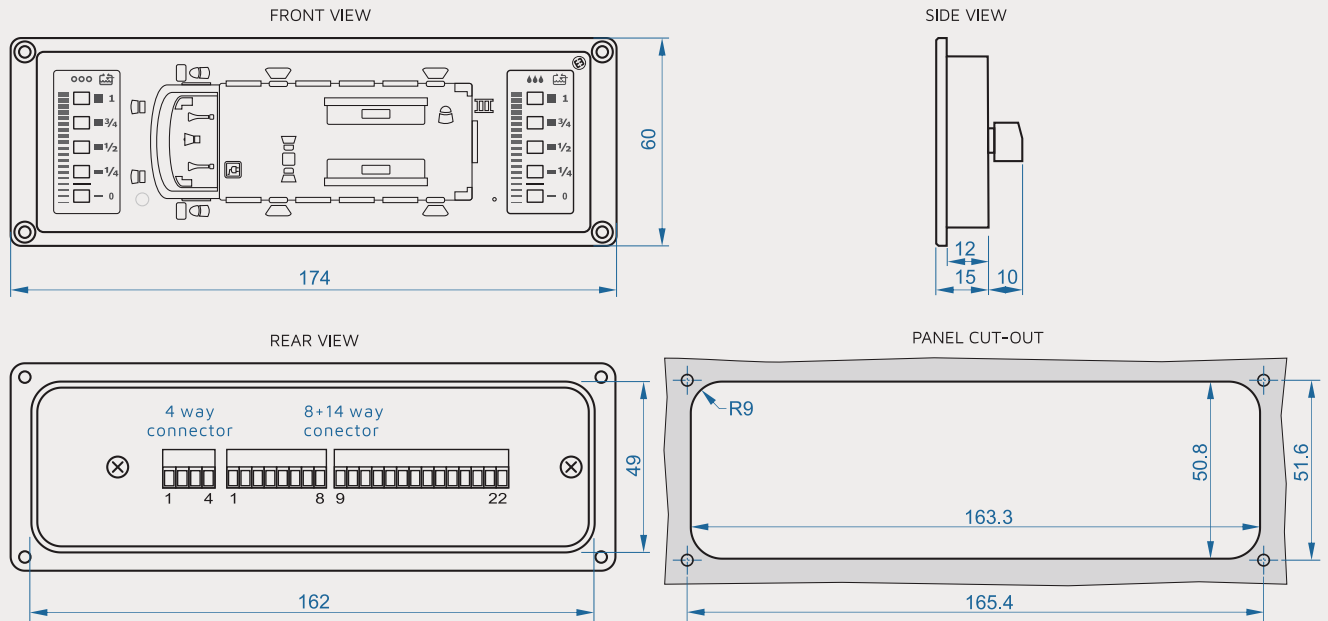
Connector Terminal block 4 way, 8 way and 14 way connector, 0,5 to 1,5 mm² (AWG 28-16)

SIZE & WEIGHT

W x H x D 174 x 60 x 15 mm without connector

Weight 0.2 kg

DIMENSIONS

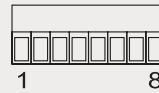


CONNECTIONS

CONNECTION TERMINAL BLOCK 4 WAY

PIN Description / wire colour

- | | |
|---|------------------|
| 1 | BATTERY + ("15") |
| 2 | BATTERY - |
| 3 | CAN L |
| 4 | CAN H |

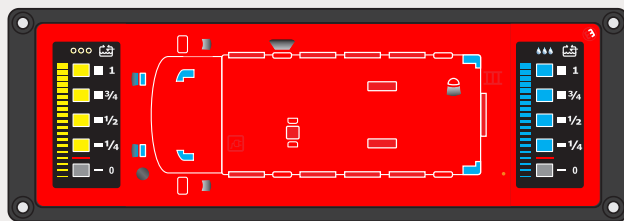


CONNECTION TERMINAL BLOCK 8 WAY + 14 WAY

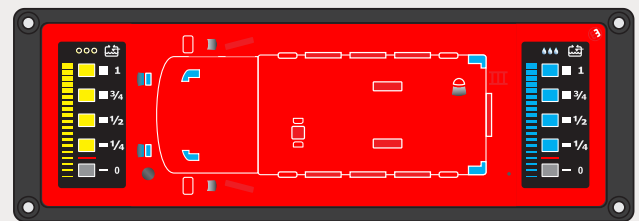
PIN Description / wire colour

- | | |
|------|----------------------|
| 1-22 | INPUT (configurable) |
|------|----------------------|

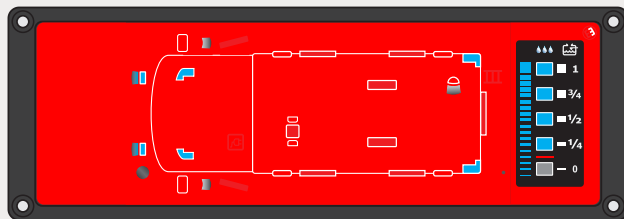
EXAMPLE OF DESIGN OPTIONS



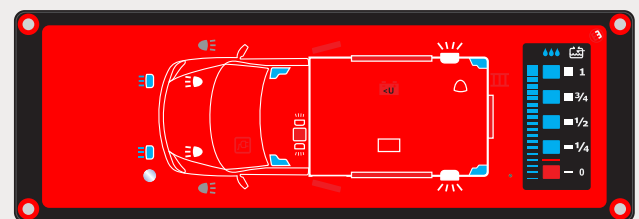
SLM-9S-WF



SLM-7S-WF



SLM-5S-W



SLM-3S-W

PRODUCT CODE

Remote Indicator - Small

Ordering code example:

S	L	M	-	7	S	-	W	F
3S: 3 SHUTTERS (2+1) 5S: 5 SHUTTERS (2+2+1) 7S: 7 SHUTTERS (3+3+1) 9S: 10 SHUTTERS (4+4)					W: INTEGRATED WATER LEVEL INDICATOR		F: INTEGRATED FOAM LEVEL INDICATOR	