

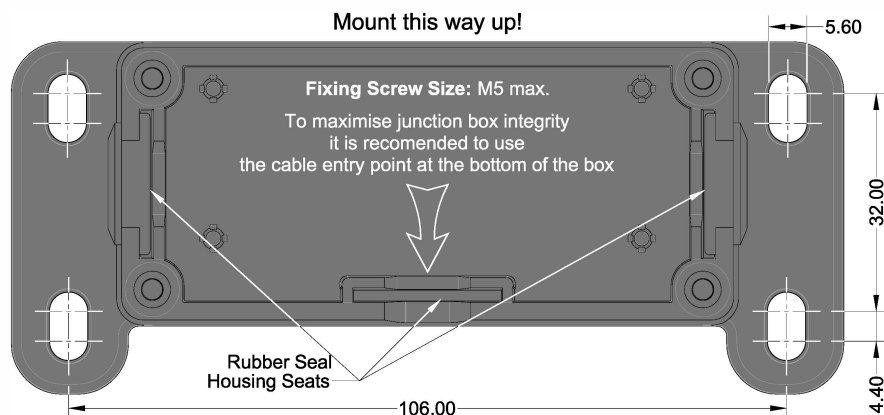
# OPTICAL SAFETY EDGE EVALUATION UNIT (Stock Code: 33-2117)

**WARNING!** Read these instructions **FULLY** before use.  
Installation should only be carried out by a **COMPETENT** installer.

## Technical Details

Power Supply	19-35VDC / 19-30VAC
Power Consumption	<35mA w/o sensors
Degree of Protection	IP65
Relay Changeover Contact	125VAC, 60VDC, 0.5A
Opto Connection	White: 0V/Gnd Green: Signal Input Brown: +12VDC/30mA max.
Relay Contacts	NC: Contacts Closed when safety edge activated NO: Contacts Open when safety edge activated
Operating Temperature	-20°C...55°C

## Drilling Template (Not to Scale!)



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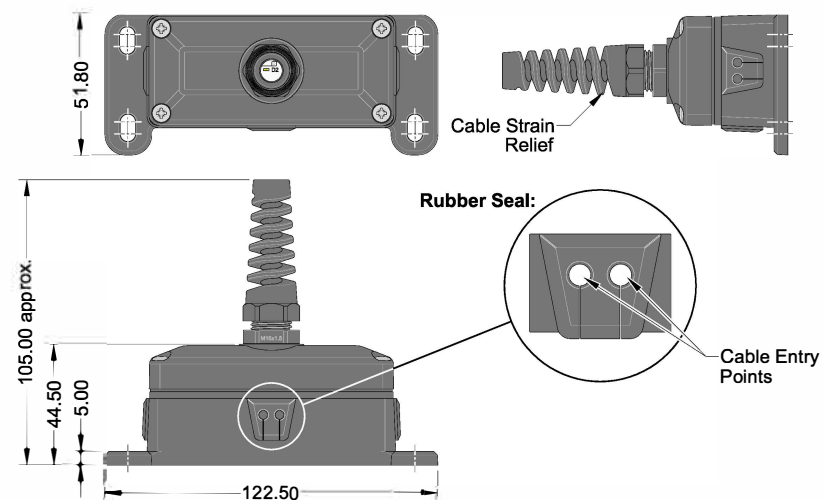
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The Optical Safety Edge Evaluation Unit is designed to work with any FRABA compatible optical edge. The unit is designed to go at either end of the spiral cable.

## Cable Entry/Installation Instruction Using Rubber Seals (Supplied)

1. Remove the lid and the selected rubber seal from the junction box seat.
2. Using a suitable tool, break through the rubber seal cable entry points, taking care not to damage the seal. Only use seals required, otherwise the integrity of the junction box will be compromised.
3. Insert the cable into the slot provided in the rubber seal as required.
4. Push the seal (complete with cable) into the housing seat of the junction box.
5. Connect the cables as required, following the instructions for your application.
6. Place the lid on the junction box and tighten the screws to seal the junction box.

## General Layout



**DISCLAIMER:** Marantec UK Ltd. constantly strives to improve the quality of its goods and as such reserves the right to replace or modify products without prior notification. Any examples given are intended for guidance only.

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By:- C.J.W	Date:- 18/05/10
Checked By:- J.C.	Appr' By:- S.L.

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## Installation Instructions

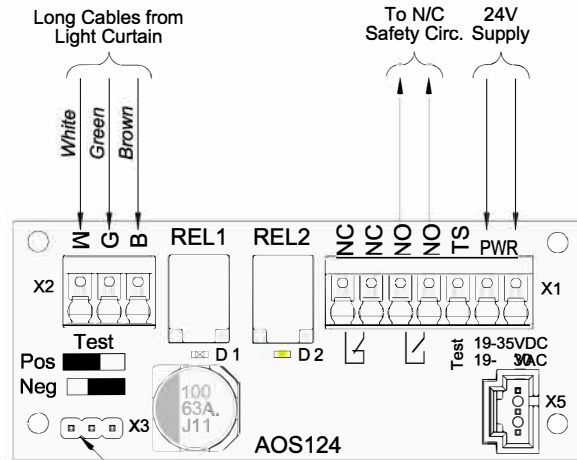
1. Connect both the transmitter & receiver cables into connector X2, as shown - (cutting the cables to the required length)

**Note:-** To connect wires into the spring-clamp terminals, insert a screwdriver into the slot above each opening and push down & hold whilst inserting the wire into the terminal. Hold the cable firmly in place and then release the screwdriver. Ensure that the terminal has firmly gripped the cable

2. Insert the spiral cable, via the cable gland fitted to the lid of the box. Terminate cores, as shown

**Note:-** If the integral strain relief of the cable gland interferes with the door operation (e.g. photocell), then the locknut may be exchanged for a standard locknut

## Optical Safety Edge Evaluation Unit Connections



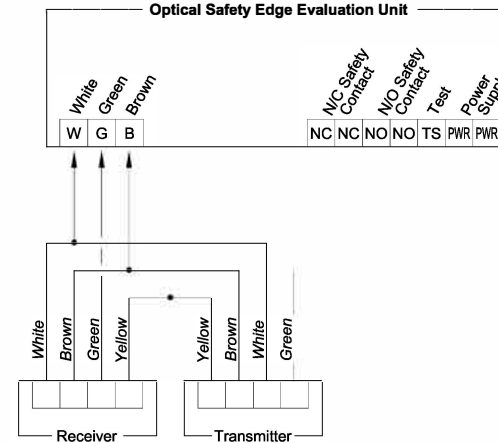
Ensure that the jumper is fitted in the "Positive" Test position

### Please Note:-

The illustration shown above is provided for guidance only. Products are subject to change and the actual product supplied may vary from illustration.

## Example Wiring Diagrams

### Light Curtain Wiring Example: 1.6 - 10m Range



### General Wiring Example: Optical Safety Edge

