

DURAOPTICS
INFRA-RED SAFETY BEAMS
INSTALLATION INSTRUCTIONS

1. INDICATORS:

- The transmitter is fitted with a RED LED which indicates when the power is on.
- The receiver is fitted with a RED LED which indicates when the beams are aligned.

2. MANUFACTURES COMMENTS:

- It is recommended that the beams be sealed with silicone rubber once they are closed.
- Beams can be affected by florescent lights. It is recommended that the beams not be placed in direct view of florescent pillar lights.
- The range of the beams can be affected by environmental conditions. Rain, mist etc can reduce the range of the beams.
- Ensure that the power is disconnected before wiring the beams.

3. FITTING BEAMS TO GATE POST:

- Beams should be placed $\pm 700\text{mm}$ high above ground level. The transmitter and receiver must, however, be aligned along a visual (and level) axis.
- If aligning the beams over a distance greater than 20m it is necessary that the covers be replaced in order to achieve alignment.
- Remove PC boards from both transmitter and receiver units.
- Place the housing backing against the pillar at the prescribed spot and scribe through the screw holes.
- Drill at the scribed marks using a 5mm masonry drill.
- Attach the housing backing to the wall using the supplied fasteners and 'O' ring. Ensure that the 'O' ring is fitted to the top fastener.
- Replace PC boards and follow wiring instructions as per Gate Motor instruction manual.

4. TECHNICAL SPECIFICATIONS:

- Power Supply: 12V – 24V DC/AC
- Max. Distance: 40m
- Output Contact Rating: 5A at 220V AC

5. WARRANTY:

- One YEAR warranty against factory faults
- Warranty does not cover beams which:
 - a. have been subject to misuse
 - b. have not been installed per manufacturers recommendations
 - c. have been damaged as a result of Acts of God i.e. Lightning, moisture, insect infestation
 - d. have been repaired by unauthorised technicians
- Warranty covers labour and components only. It does not include transport, postage and railage which will be for the account of the client.