

**DURAOPTICS**  
**INFRA-RED SAFETY BEAMS**  
**INSTALLATION MANUAL**

**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. MANUFACTURERS 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 not recommended that the beams 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  $\pm 700$ mm high above the 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 the 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 the PC boards and follow wiring instructions as per Gate Motor 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:
  - Have been subject to misuse
  - Have not been installed as per manufacturers recommendations
  - Have been damaged as a result of Acts of God i.e. lightning, moisture, insect infestation
  - Have been repaired by unauthorized technicians
- Warranty covers labour and components only. It does not include transport, postage and railage which will be for the account of the client.