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. 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.
- Direct sunlight can affect the performance of the beams and thus it is recommended that the receiver beam be installed away from direct sunlight where possible.
- These beams are intended for use across the driveway for use with a gate and are not to be used as perimeter intruder beams.

3. FITTING BEAMS TO GATE POST:

- Beams should be placed 700mm 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

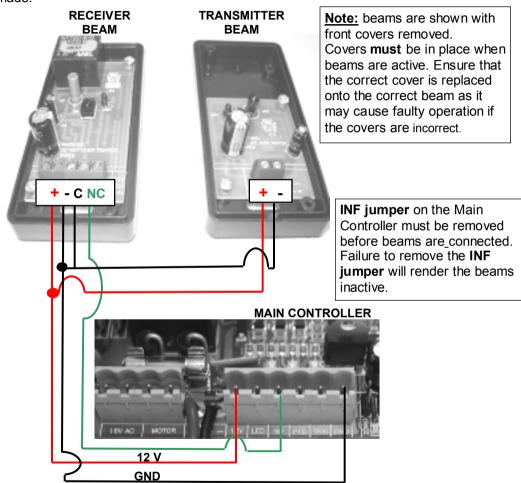
• Output Contact Rating: 5A at 220V AC

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.

WIRING DURAOPTICS SAFETY BEAMS

All auxiliary equipment should be connected with caution as an incorrect connection could lead to the Main Controller being damaged. Consult the wiring diagrams below. All power should be removed from the Main Controller before any connections are made.



Note: although the installation of infra-red safety beams does reduce the risk of the gate colliding with an object while closing it does not guarantee against it.