

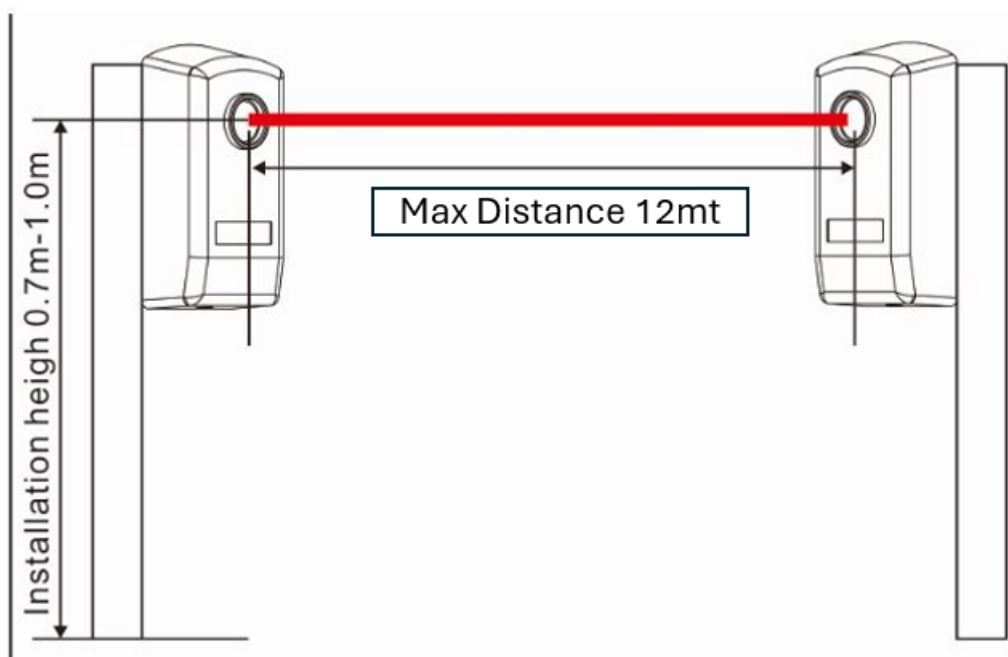


# UNEK AUTOMATION

## Auto-Mate Safety Beam Sensor Installation Instructions



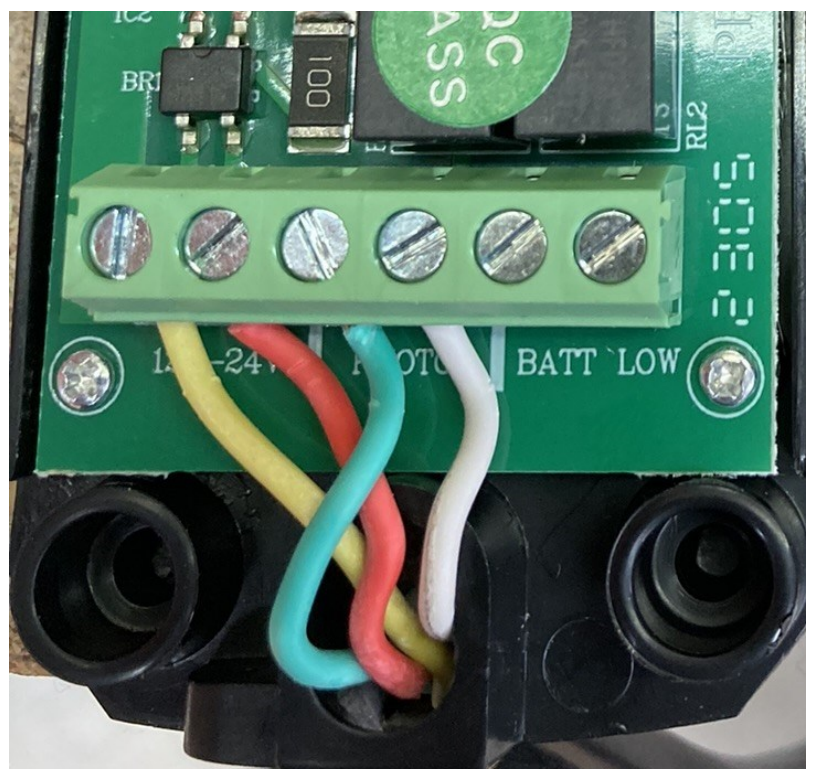
Mount the Safety Beam sensors on either side of the gate posts. Ensure the gates don't impede the safety beams. Some applications may require brackets to mount the safety beams away from the gates. A wide range of brackets are available from your local hardware store.



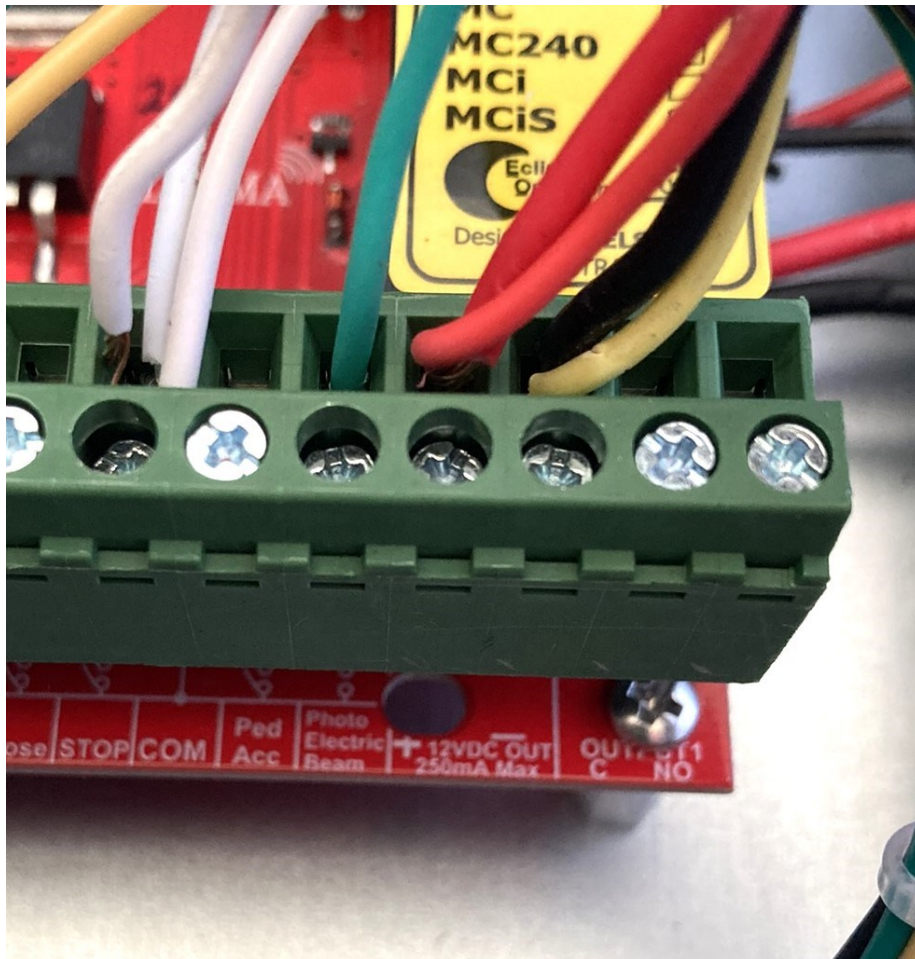
The safety beams are suitable for single or double gates. The transmission (TX) beam can be run off battery or hard wired. If you intend to hard wire the TX beam, run the supplied 2 core cable across the driveway (in conduit buried approx. 100mm below the surface) and wire the positive(+) and negative(-) wire into the safety beam. The cable can be run with your motor cable in double gate applications.



Wire the supplied 5 core cable into the receiving (RX) beam. The wiring is as follows:  
Red=Positive (+), Yellow=Negative(-), White = COM, Green=NO. Please disregard the brown wire.



Run the 5 core cable and the 2 core cable into the control box. Cut off any excess. The wiring to the board is as follows: 5 core Red & 2 core Red to Positive(+), 5 core Yellow & 2 core Black to Negative(-), 5 core white to COM, 5 core Green to Photo Electric Beam.



### **Tips**

- Finalise the gate automation before installing the Sensors.
- Ensure the Sensors are set to NO (Jumper in the RX sensor).
- Don't exceed 12mt between the beams.
- Mount the beams at the same height.
- Test the beams after installation.
- Always use high quality lithium AA batteries if not hard wired.