

AUTOMATIC SOLUTIONS

HOW TO

Wiring Safety Beams (Photocells) - Single Set

BASIC ELEMENTS -

1. Each set of beams has a receiver and a transmitter.
2. It is simplest to run a light weight four core cable to each receiver and transmitter.
3. All cables return to your logic control
4. Each transmitter only uses two cores of the cable for power, usually positive and negative.
5. Each receiver will use all four cores, two for power and two for switching.
6. In almost every logic control the safety beam (photocell) circuit or loop is "normally closed".
7. Because the logic control requires a normally closed circuit we use the "COM" and the "NC" terminals for our switch wires in the receiver.

