

Chambers Electronics Directional Radio Beam People Counter RBX5D



- * **Radio Beam Counting technology**
- * **Distinguishes direction people are walking**
- * **Easy to install, no need to dig up road surface**
- * **Battery operated**
- * **High reliability**
- * **Robust housing**

THE IDEAL SYSTEM FOR:

- * **Parks**
- * **Long distance paths**
- * **Urban green-ways**
- * **Outdoor Events**

Description

Chambers Electronics have a wide experience in the development of many systems for counting people in the rural environment.

This unit uses Radio Beam Counting technology, which was invented by us, to count the number of people walking in each direction on a path.

The counter uses two radio beams to determine which direction pedestrians pass. The Radio Beams pass across the path and as a person crosses them one beam changes a fraction of a second before the other depending on which way they are crossed.

The counter consists of two units that are placed on either side of the path, and no cable is required to run between them, making installation very easy.

The units are supplied in very robust protective boxes which have no aperture as the radio beam passes through polycarbonate etc and therefore are unlikely to be interfered with.

The receiver displays the number of people that have passed in each direction on two LCD displays. LEDs indicate battery level and detected signal strengths of the two receivers.

If required loggers can be supplied which can record the number of pedestrians passing in each direction in preset time intervals (in this case count displays will not be included unless requested).

Chambers Electronics

Dual Radio Beam People Counter RBX2000D

General Specifications:

- Detection Method:** Radio Beam
- Approvals:** UK DTI approved to MPT 1349
- Frequency:** X-Band (frequency dependant on country)
- Sensing Distance:** 3 metres maximum transmitter to receiver (standard model)
- Units:** Dual receiver unit and single transmitter unit
- Housing:** Robust polycarbonate housing which require a specialised Screwdriver

Receiver Unit

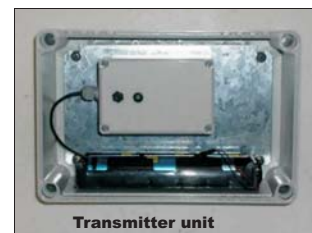
The standard counter has one receiver unit, and the long distance unit has two receiver units which are joined via a robust cable. The receiver unit contains the battery and loggers as well as the receiver circuits.

- Displays:** 2 count totals, 6 digit LCD displays (not supplied on data logger unit)
X Beam Intensity LED
Battery check LED
- Controls:** Check LEDs proximity switch
- Battery:** 6 C size alkaline batteries (lasting over 300 days)
Other battery options are available
- Housing:** Dual housing for separate receiver units (narrow distance unit has only one housing)
- Dimensions:** 280 mm x 185 mm x 130 mm and 185 mm 185 mm x 130 mm



Transmitter unit

- Displays:** Battery check LED
- Controls:** Battery Check proximity switch
- Battery:** 6 D size alkaline batteries (lasting over 100 days)



Data logger

Microprocessor based data loggers can be supplied which are connected to the receiver box. The loggers record the number of pedestrians passing in a pre-set time interval in each direction. This information is retrieved and analysed by connecting the logger to a standard PC. The logger records data for up to 670 days if set at 1 hour intervals.