



Sensors for PCS500 People Counter

PSH1 Single Beam Photoelectric

DESCRIPTION

This sensor head has a single infra-red beam that is directed across a passageway to the supplied reflector positioned so that passing people will break the beam. The sensing distance can be up to 3 metres between sensor and reflector. An installation can have up to eight different sensors and each sensor in an installation is set with a separate identity number (1– 8) to enable the display unit to gather data from the sensor.

The sensor can also be programmed to operate in several modes to suit the installation. The available modes of operation are:

- a) IN COUNT: Each time the beam is broken the totals are increased by one.
- b) OUT COUNT: Each time the beam is broken the totals are decreased by one.
- c) DIVIDE X 2: The totals are increased by one for every two breaks of the beam. This is useful in a simple installation with only one doorway that has two way traffic.

INSTALLATION

The sensor is fitted with a red LED light that is used to correctly align the sensor and reflector during installation and also flashes each time the beam is broken. This LED can be disabled if required.

The sensor module is supplied with a standard UK type double gang electrical surface mount box that can be mounted on a vertical surface (wall etc.) Alternatively a flush or dry-liner type box can be used. The electrical connections are made using standard Cat5 RJ45 data cables. Each sensor has two data sockets that enable multiple sensors to be “daisy-chained” together.

The maximum voltage present in the sensor is only 12VDC so there are no safety issues.



PSH2 Dual Beam Photoelectric

DESCRIPTION

This sensor head has two infra-red beams that are directed across a passageway to the supplied reflectors and positioned so that passing people will break the beams. The sensing distance can be up to 3 metres between sensor and reflector. By using two beams this sensor is able to determine the direction that people are walking through the beam.

An installation can have up to eight different sensors and each sensor in an installation is set with a separate identity number (1– 8) to enable the display unit to gather data from the sensor.

The sensor can also be programmed to operate in several modes to suit the installation. The available modes of operation are:

- a) IN ONLY: Only people entering the area are counted
- b) OUT ONLY: Only people leaving the area are counted
- c) TWO WAY: People entering increase all totals,
people leaving decrease only the Occupancy total

INSTALLATION

The sensor is fitted with a two red LED light that are used to correctly align the sensor and reflector during installation and also flash each time the beam is broken. These LED's can be disabled if required.

The sensor module is supplied with a standard UK type double gang electrical surface mount box that can be mounted on a vertical surface (wall etc.) Alternatively a flush or dryliner type box can be used. The electrical connections are made using standard Cat5 RJ45 data cables. Each sensor has two data sockets that enable multiple sensors to be “daisy-chained” together.

The maximum voltage present in the sensor is only 12VDC so there are no safety issues.



PSH3 Single Beam PIR



DESCRIPTION

This sensor head has a passive infra red, PIR, type sensor that detects the presence of a person within 5 metres of the sensor. The PIR sensor has a wider detection zone than the infra-red types and is therefore less able to separate two people passing close together. It does however have the advantage of a larger range and can be installed on ceilings as well as walls. When mounted overhead it has a detection area of approximately 2 metres by 0.5 meters when mounted at a height of 3 metres. This is ideal for many shop doorways. An installation can have up to eight different sensors and each sensor in an installation is set with a separate identity number (1– 8) to enable the display unit to gather data from the sensor.

The sensor can also be programmed to operate in several modes to suit the installation. The available modes of operation are:

- a) **IN COUNT:** Each time the beam is broken the totals are increased by one.
- b) **OUT COUNT:** Each time the beam is broken the totals are decreased by one.
- c) **DIVIDE X 2:** The totals are increased by one for every two breaks of the beam. This is useful in a simple installation with only one doorway that has two way traffic.

INSTALLATION

The sensor is fitted with a red LED light that is used to test the sensor during installation and also flashes each time the sensor detects a person. This LED can be disabled if required.

The sensor module is supplied with a standard UK type double gang electrical surface mount box that can be mounted on a vertical surface (wall etc.) Alternatively a flush or dry-liner type box can be used. The electrical connections are made using standard Cat5 RJ45 data cables. Each sensor has two data sockets that enable multiple sensors to be “daisy-chained” together.

The maximum voltage present in the sensor is only 12VDC so there are no safety issues.

Specification

Power Input: 12 VDC supplied from PCS500 counter

Dimensions: All Models 143 x 88 x 45 mm (in standard surface mount box supplied)

Order Code

One way photoelectric : PSH1

Two way photoelectric : PSH2

One way PIR : PSH3

RJ45 Connecting Cable: RJ45 + length
Standard lengths available - 1, 2, 3, 5, 7, 10, 15, 20 metres

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