



People Counting System

PCS100-5 Sentinel

Free Standing Rope Barrier People Counter

- Self contained People Counter
- Portable - use anywhere with access to AC outlet
- Re-chargeable battery powered version
- 5 metres range
- Low purchase cost and no installation costs
- Count every person or Divide by two mode

DESCRIPTION

The PCS100 system is designed to monitor the flow of people into and out of buildings. Using microprocessor technology the system monitors a doorway or can be used as part of a rope barrier (matching stands without the counter head are also available).

The “Sentinel” is self contained and only requires an AC mains outlet socket to be operational. A re-chargeable battery powered version is also available for locations without easy access to an AC outlet.

The 5 digit red LED display is on one side of the counter head and the sensor is on the other side. A red LED flashes for every detection of a person passing the sensor. The red LED and display can be simply disabled by a concealed push button so that attention is not drawn to the unit whilst the count continues. Another push button resets the displayed count when required. (Reset is not possible when the display is disabled).

The count total is stored while the unit is unplugged from the AC supply.

The battery powered version displays the count on command and automatically turns the display off after a few seconds. A fully charged battery will allow continuous operation for more than a week. A battery charger is supplied.

The counter can be set to either count every person passing or to divide by two so effectively counting the number of visitors when placed by a single entrance that is used for both entry and exit.

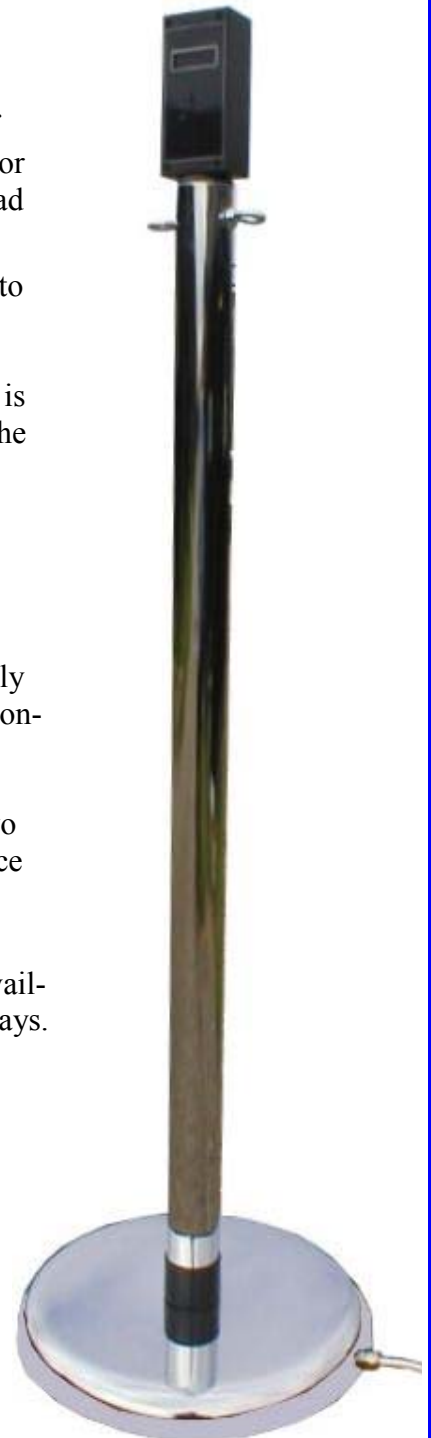
The post and base are manufactured from highly polished chrome steel to be suitable for use in all retail applications. Matching poles and ropes are also available to enable the user to make a complete rope barrier for pedestrian walk-ways.



Display Side



Sensor Side



The Sentinel



User Controls

The “Sentinel” has RESET and DISPLAY push switches on the front of the unit. To prevent inadvertent Operation these are recessed behind the panel and require a small implement such as a pen to enable them to be pushed. .

The RESET switch clears the displayed count to zero.

The DISPLAY switch turns the display and count light ON and OFF with successive pushes.

The count continues to be registered when the display is OFF. The RESET switch is also disabled when the display is OFF

Accuracy:

The accuracy of the Sentinel system depends on the details of each installation. The software in the counter is designed to eliminate as many errors as possible due to such things as swinging arms but situations where people are walking side by side will cause errors. The control of traffic through the sensor is important for overall accuracy with people walking steadily through in single file with gaps between each person giving the best results.

The positioning of the Sentinel is important in terms of the position in the flow, so that after a pay booth is better than before where people may bunch up in a queue However proper installation will give good results in most applications.

Specification

Power Input:	230 VAC (115VAC also available to order) Re-chargeable battery powered version also available
Maximum Count:	99999
Display:	8 mm high red LED digits (Can be disabled) Red LED pulses to indicate a person is detected (Can be disabled)
Count Memory:	Count totals are stored indefinitely (> 10 years) while power is turned off
Controls:	Reset: Concealed push switch, Resets the total to zero Display: Concealed push switch, Toggles display on and off
Dimensions:	Overall height: 1130 mm Weight: 5 Kg (base plate is weighted for stability)

Order Codes

Sentinel People Counter:	PCS100-5-240 (240 VAC)
	PCS100-5-115 (115 VAC)
	PCS100-5-BAT (Re-chargeable battery powered)
Stand & Pole (without counter head)	ST100
Rope link (2 meters long with hooks)	RP1-RED RP1-BLUE

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