

OPS OVERHEAD COUNTING SYSTEM



Alvarado's Optical People Sensor (OPS) is an overhead counting system that is specifically designed to track complex, bi-directional pedestrian traffic movement.

A properly installed and configured OPS overhead counting system from Alvarado can provide your organization with a wealth of important data to augment information gathered at the gate, turnstile or cash register.

The OPS system utilizes artificial intelligence with a highly advance system algorithm to accurately track patrons as they move within the counting area.

The system has the capability to “learn” the traffic pattern of an installation to effectively deal with extremely complex counting situations such as loitering crowds.

FEATURES:

- **INPUT DEVICE FOR REAL-TIME COUNTING SYSTEMS**
- **SINGLE OVERHEAD SENSOR PER DOORWAY OR MULTIPLE SENSORS FOR CORRIDORS**
- **VISION BASED SYSTEM HANDLES BI-DIRECTIONAL PASSENGER STREAMS**
- **NO MOVING OR MECHANICAL PARTS, REQUIRES VERY LITTLE MAINTENANCE**

OPS systems come with standard housings that conform nicely to most facility locations. Custom housings are also available to match various decors. Call Alvarado to discuss available options and configurations.

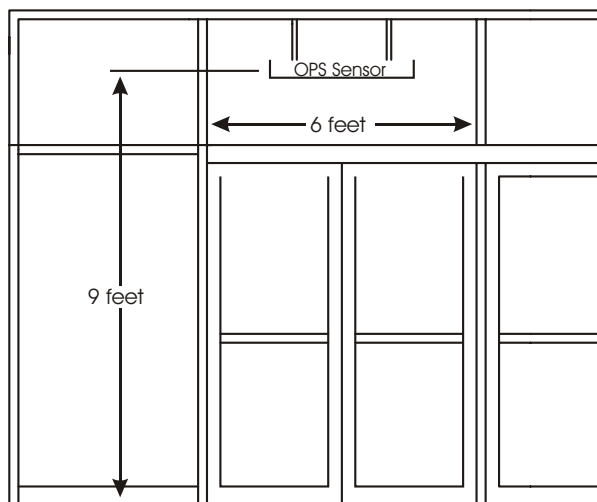
DESCRIPTION

Alvarado's OPS system (Optical People Sensor) is a non-contact vision system. The OPS differs from other sensor types by monitoring an area, effectively handling the counting problems caused by complex pedestrian motion. The OPS may be used for doorways (single sensor) or corridors (multiple sensors), where heavy traffic and bi-directional motion makes other people counting sensors ineffective.

The programming technology used to create the OPS approximates the object recognition and tracking abilities of the human brain. This artificial intelligence permits the image processor to recognize people and track them, producing accurate counts, and to avoid many common errors. The OPS programming can be further trained to handle situations unique to a particular installation.

Only Alvarado's OPS can accurately count people in tight groups, with simultaneous, bi-directional motion.

OPTICAL PEOPLE SENSOR OVER DOORWAY



SPECIFICATIONS

Each OPS sensor is supported by an illumination system, either solid state (light-emitting diodes) or standard incandescent flood lamps, and a processor board. The following specifications are for a single sensor and processor board, with solid state illumination.

Power:

+24 to 32 Vdc @ 2 A

Environmental:

-40 to +85 Deg. C

User Interface for Setup/Testing:

RS-232 standard

RS-422/RS-485 optional

Count Outputs (Entry & Exit):

Optically isolated transistor output can be configured for active HIGH or LOW

Mounting Height:

8 to 10 feet

Coverage Width:

4 to 6 feet per sensor depending on mounting height - multiple sensors can be used for wider areas of 18 feet or more

Specifications subject to change without notice.

Contact Alvarado for more information regarding installation of overhead counting systems.