TC30
PRESENCE SENSOR
FOR VEHICLE CONTROL

- INPUT TO VEHICLE CLASSIFIER AND CONTROLLERS
- AUTOMATIC GATE AND TOLL BOOTH APPLICATIONS
- LOADING DOCK DETECTION APPLICATIONS
- ADJUSTABLE RANGE (up to 22')
- EXTERNAL ADJUSTMENT PANEL
- EXTERNAL INDICATOR LEDS (eases drive test confirmation)
- SINGLE LANE COVERAGE
- INSTALLS EASILY ABOVE GROUND
- FAIL-SAFE MODE (RECALL) IN EVENT OF POWER LOSS

The TC30 is an economical way to detect the continuous presence of an object within its detection pattern, stationary or in motion.

The TC30 is ideal for detecting vehicle presence in a right hand turn lane from a horizontal (side-fire) mount or in an individual lane from an overhead mount. It is also used in automatic gates and other parking control applications, as well as in loading dock applications.

The TC30 is easily mounted above ground. It requires no pavement cuts and can be installed with minimal or no traffic disruptions. Once installed, adjustments can be made via an external range control and external detection LED.
**TECHNICAL DATA**

**MOUNTING DIAGRAM**

**REAR VIEW**
(External Adjustment Panel)

- **WIRE NUT**
- **LED**
- **RANGE**

**FRONT VIEW**

- **SIDE VIEW**

**SPECIFICATIONS**

- **Model Number**: TC30
- **Operating Frequency**: 49.7 kHz
- **Detection Method**: Ultrasonic Ranging
- **Detection Pattern**: Adjustable
- **Detection Mode**: Presence
- **Detection Hold-Time**: Continuous upon sensing
- **Response Time**: 0.165 seconds
- **Initial Current Draw**: 875 mA max. (21 W max. @ 24V)
- **Operating Current Draw**: 150 mA (0.15 Amps)
- **Power Consumption**: 3.6 Watts max. @ 24V
- **Relay Output**: Form C, rated at 3 Amps
- **Sampling Rate**: 10 Hz. (1 pulse/100 msec.)
- **Relay Hold Time**: 0.25 to 10 seconds
- **Power Requirements**: 6 - 12 V DC, or 12 - 24V AC or DC
- **Wiring Requirements**: Four conductor (2 power, 2 relay)
- **Mounting Bracket**: Predrilled & slotted (band or lag-bolt mount)
- **Enclosure/Finish**: Gray Powder Coated Aluminum
- **Operating Temperature**: -35°C to 75°C
- **Physical Dimensions**: 9"L x 4"W x 4.25"H

**INSTALLATION**

**THERE ARE TWO MOUNTING POSITIONS:**

1) **OVERHEAD**—The TC30 must be located directly over the area to be detected.
2) **HORIZONTAL (SIDE-FIRE)**—The TC30 must be located so it is directly perpendicular to the area to be detected.

**FACTORY LIMITED WARRANTY**

Refer to installation instructions for details regarding our limited one year warranty.