Installing the Model 1547 Traffic Sensor

The Model 1547 is a complete traffic detection solution for use with Series 1500 Intercom Systems. The sensor's operating temperature range is -20º to +55ºC (-4º to 131ºF). A heater may be required in the drive-up enclosure for some low temperature applications. The green LED indicates Power On. The N.O. Output On is indicated by the yellow LED.

1. Using a flat blade screw driver, carefully remove the knockout on the bottom of the 1520 Lane Station (*Figure 2*).
2. Plug the 1547 connector into the exposed port on the bottom of the 1520 (*Figure 2*).
3. Drill two 5/16 inch holes 3/8 inch apart. Center the holes on the 1547's IR emitter and receiver lenses (see detail below).
4. Turn the potentiometer on top of the sensor all the way clockwise (*Figure 3*).
5. Using the included hardware, mount the 1547 to the drive-up enclosure (*Figure 2*).
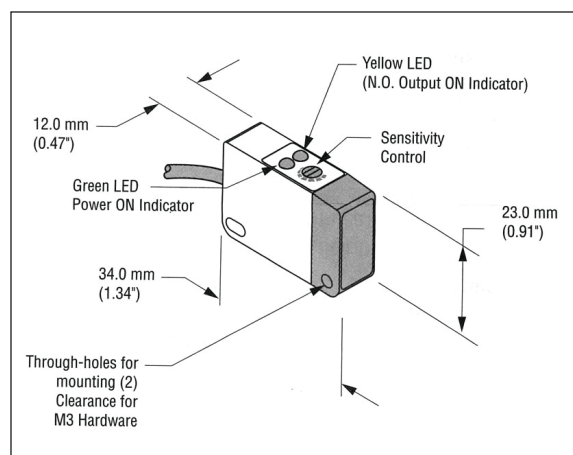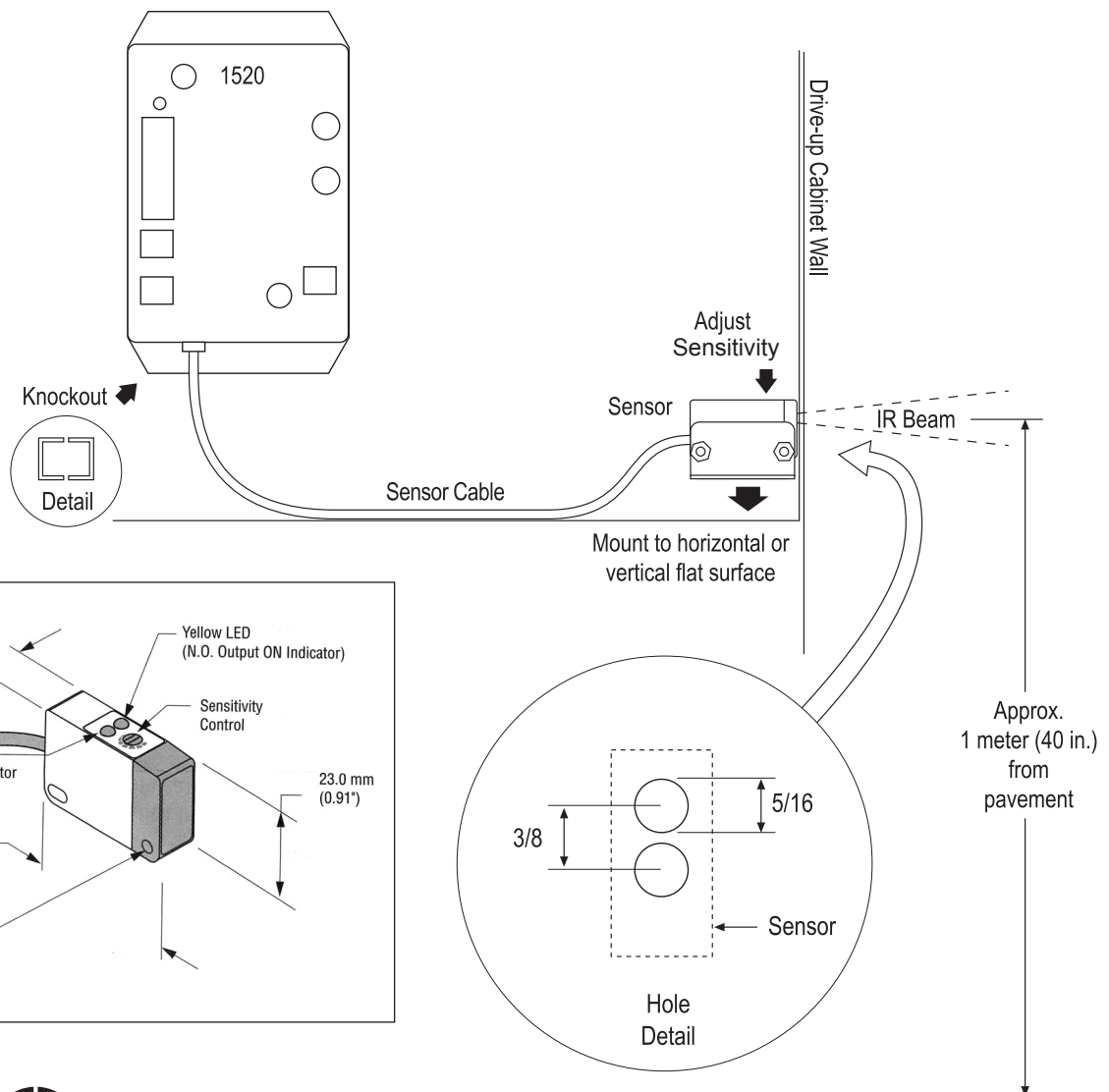

Figure 1. 1547 TRAFFIC SENSOR

Figure 2.

Knockout

Detail

1520

Drive-up Cabinet Wall

Adjust Sensitivity

Sensor

Sensor Cable

IR Beam

Mount to horizontal or vertical flat surface

Approx. 1 meter (40 in.) from pavement

Yellow LED (N.O. Output ON Indicator)

12.0 mm (0.47")

Sensitivity Control

Green LED Power ON Indicator

23.0 mm (0.91")

34.0 mm (1.34")

Through-holes for mounting (2) Clearance for M3 Hardware

Figure 3.

5/16

3/8

Sensor

Hole Detail

Sensor may be mounted vertically (as shown) or horizontally.

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