Installing the Model 1547B Traffic Sensor

The Model 1547B 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 1547B 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 1547B's IR emitter and receiver lenses (see detail below).
4. Turn the Sensitivity Control on top of the sensor all the way clockwise (*Figure 3*).
5. Using the included hardware, mount the 1547B to the drive-up enclosure (*Figure 2*).
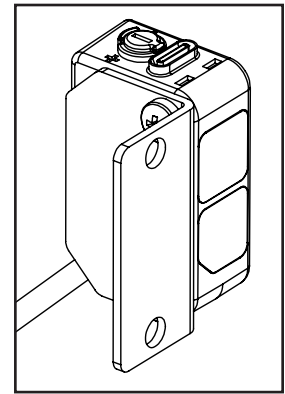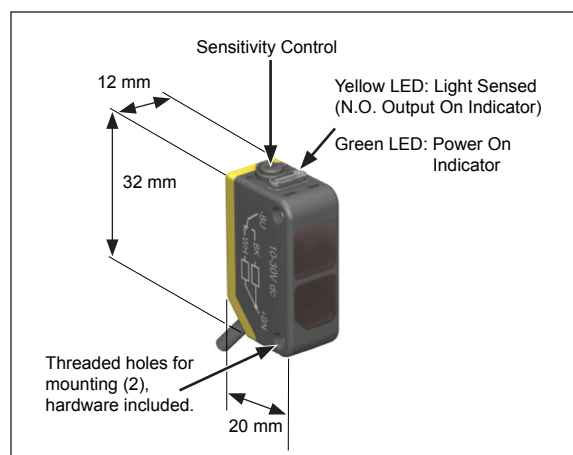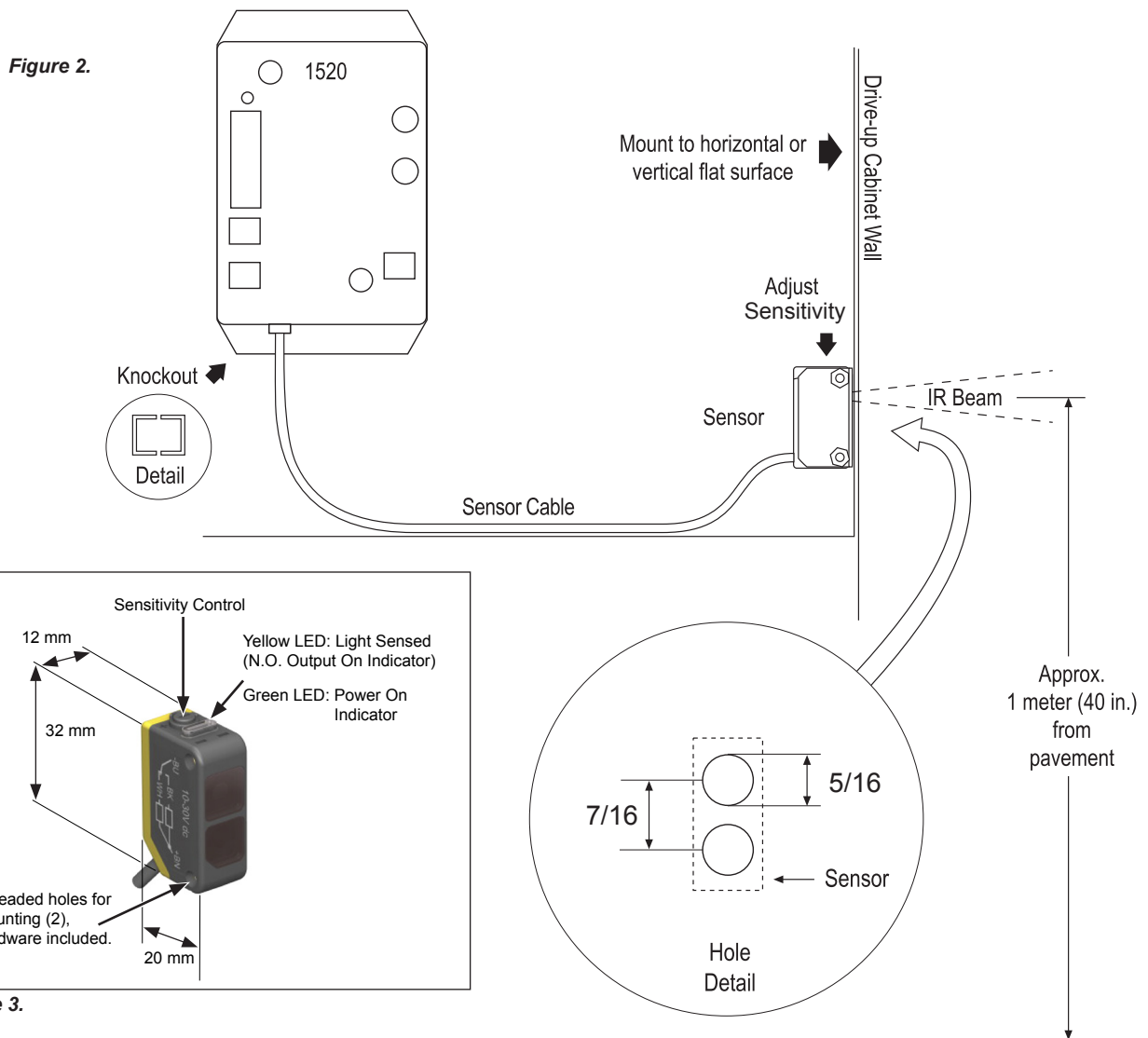

Figure 1. Traffic Sensor

Figure 2.

Mount to horizontal or vertical flat surface

Drive-up Cabinet Wall

Adjust Sensitivity

Knockout

Sensor

IR Beam

Detail

Sensor Cable

Approx. 1 meter (40 in.) from pavement

Sensitivity Control

12 mm

32 mm

Yellow LED: Light Sensed (N.O. Output On Indicator)

Green LED: Power On Indicator

Threaded holes for mounting (2), hardware included.

20 mm

Figure 3.

7/16

5/16

Sensor

Hole Detail

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