

TRW-B501W Wireless Detector Base

SPECIFICATIONS

Base Diameter:	4.0 inches (10.2cm)
Base Height:	1.2 inches (30 mm)
Operating Temperature Range:	Refer to the applicable sensor's operating temperature range provided in the sensor's installation manual.

BEFORE INSTALLING

Please read the *System Smoke Detectors Application Guide*, which provides detailed information on detector spacing, placement, zoning, wiring, and special applications. Copies of this application guide are available from System Sensor. In addition, the wireless system must be installed in compliance with the control panel system installation manual and the SWIFT® Wireless Gateway Manual. The installation must meet the requirements of the Authority Having Jurisdiction (AHJ). Sensors offer maximum performance when installed in compliance with the National Fire Protection Association (NFPA); see NFPA 72.

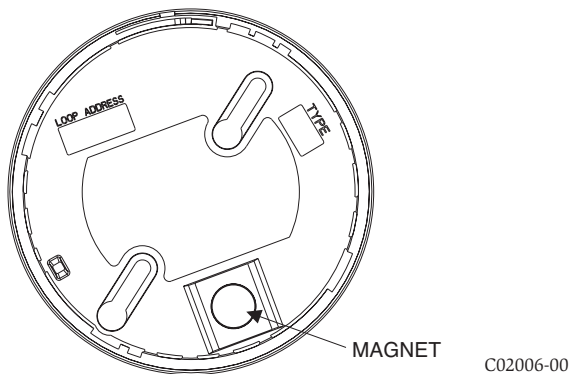
NOTICE: This manual should be left with the owner/user of this equipment.

IMPORTANT: The detector used with this base must be tested and maintained regularly following NFPA 72 requirements. The detector should be cleaned at least once a year.

GENERAL DESCRIPTION

The TRW-B501W is a mounting base designed for addressable wireless detectors. The base includes a magnet for tamper resistance (Figure 1). The magnet activates a supervisory tamper fault at the panel if the detector is removed from the base.

FIGURE 1. BASE WITH MAGNET



MOUNTING AND INSTALLATION GUIDELINES

The TRW-B501W wireless detector base can be mounted directly to a permanent structure in its desired location. Since there are no wires running to the base, an electrical box is not required. However, hole configurations are available that could be mounted to a 4" (10.2 cm) square with plaster ring, 3.5" (8.9 cm) octagon, 50 mm, 60 mm and 70 mm centers.

NOTE: When mounting wireless devices on or around metal objects, signal strength may be directionally affected.

The base includes an area for recording the zone, address, and type of detector to be installed at that location. This information is useful for setting the detector head address and for verification of the detector type required for that location.

TAMPER-RESIST FEATURE

NOTE: Do not use the tamper-resist feature if the removal tool is to be used.

The detector base includes a tamper-resist feature that prevents removal of the detector without using a small screwdriver or similar tool.

To activate this feature, use needle-nose pliers to break the tab on the detector base as shown in Figure 2A. Then install the detector.

To remove the detector from the base once the tamper-resist feature has been activated, insert a small-bladed screwdriver into the small hole on the side of the base and push the plastic lever away from the detector head. (See Figure 2B.) This allows the detector to be rotated counterclockwise for removal.

The tamper-resist feature can be defeated by breaking and removing the plastic lever from the base. However, this prevents the feature from being used again.

FIGURE 2A. ACTIVATING TAMPER-RESIST FEATURE

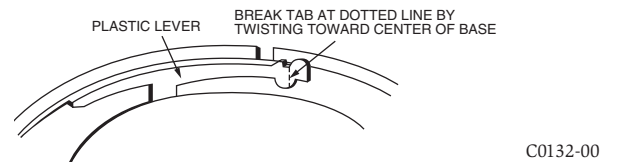


FIGURE 2B. REMOVING DETECTOR HEAD FROM BASE

