

XR2 Detector Installation/Removal Tool for use with System Sensor Plug-in Detectors



A Division of Pittway
3825 Ohio Avenue, St. Charles, Illinois 60174
1-800-SENSOR2, FAX: 630-377-6495

General Description

The XR2 Detector Installation/Removal Tool is designed for use with System Sensor plug-in smoke detectors. This tool permits installation and removal of detectors in elevated mounting locations up to 18 feet (5.5 meters) high when it is used with XP-4 extension poles (ordered separately).

Tool Assembly And Disassembly

The XR2 installation/removal tool consists of a head assembly and connecting tube that is used with a set of XP-4 extension poles sold separately (see Figure 1).

To assemble the tool, attach the head assembly to one of the XP-4 extension poles by sliding the small end of the top extension pole into the coupler end of the head assembly. A hole near the end of the tube on the head assembly fits over the button of the extension pole to lock the head assembly to the extension pole. The extension poles lock to each other in the same way.

To disassemble, depress the lock button until the head assembly can be disengaged from the extension poles. The extension poles can be separated from each other in the same manner.

Detector Installation

To install a System Sensor plug-in detector into a low profile base:

1. Insert and rotate the detector head into the installation and removal tool until the detector head bottoms and snaps into place.
2. Raise the tool to the ceiling until the detector head enters the mounting base and the locking ears on the detector head meet the ring inside the mounting base.

3. Rotate the tool clockwise until the locking ears enter their respective slots.
4. Continue rotating the tool until the detector is fully engaged in the base. When this happens the detector cannot be rotated any further.

NOTE: For conventional detectors, the detector automatically defeats the locking feature on the shorting spring in the base and then re-engages it, so that the next detector receives power from the alarm system.

5. Carefully pull the tool from the detector head.

Detector Removal

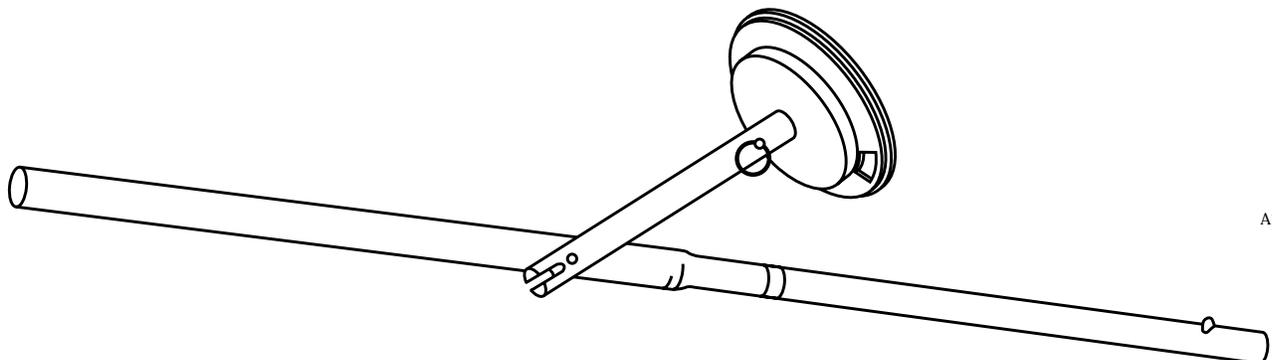
To remove a System Sensor low profile plug-in detector head from a base:

1. Raise the installation/removal tool to ceiling height, locate the tool over the detector, and push up and rotate until the tool snaps onto the detector head.
2. Rotate the tool counterclockwise until the detector disengages from the mounting base.
3. Lower the tool slowly and make certain that the detector head is disengaged completely.
4. Continue lowering the tool. When the detector head is at floor level, the detector can be removed from the tool for inspection, testing, or cleaning.

Notes:

1. On conventional bases, when the detector is removed, the shorting jumper remains defeated; it does not complete the circuit by connecting the + IN and + OUT terminals. This should cause a fault or trouble condition at the panel. The jumper must be set manually.
2. Plug-in bases have a built-in tamper-resist feature that, if activated, must be disabled before the removal tool

Figure 1. XR2 Detector Installation/Removal Tool and XP-4 Extension Pole:



A78-2437-00

can be used. See the instruction sheet packed with the detector head for instructions on disabling the tamper-resist feature.

Magnetic Testing

To attach the magnet to the pole:

1. Pull the connecting pin and remove the Installation/Removal head from the pole assembly.
2. Push and hold the lock button, and remove the connecting tube from the pole.
3. Remount the other end of the connecting tube to the pole, making sure that the lock button snaps into place.
4. Slide the magnet into the slots and cover with the plastic cap.

NOTE: Shipping bag with magnet may be tied to connecting pin ring.

To Test The Detector:

1. Hold the test magnet near the raised mark on the smoke detector in one of the test areas shown in Figure 3.

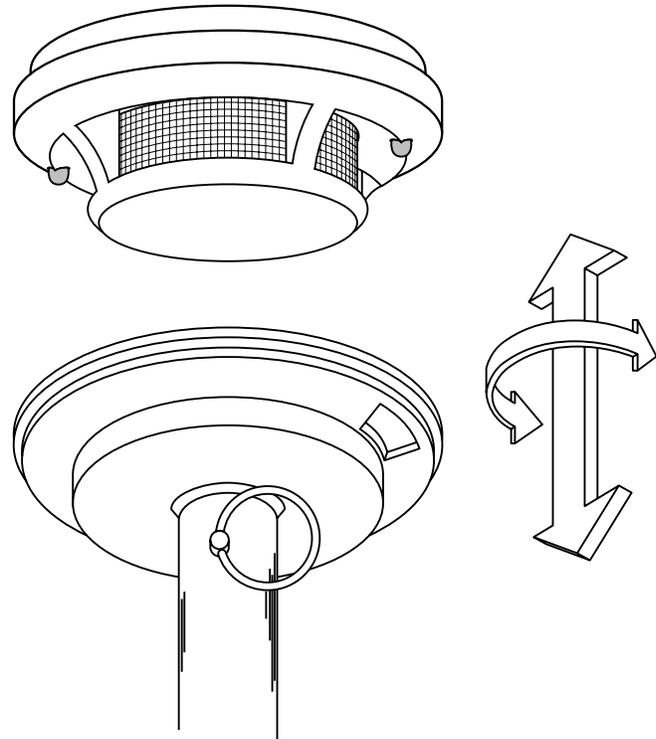
NOTE: If the smoke detector does not alarm after 20 seconds, move the magnet to the other test area and repeat.

2. Smoke detector LEDs should light and panel should indicate alarm.
3. Push the reset button on the panel to reset the smoke detector.
4. See the smoke detector manual for additional information.

▲WARNING

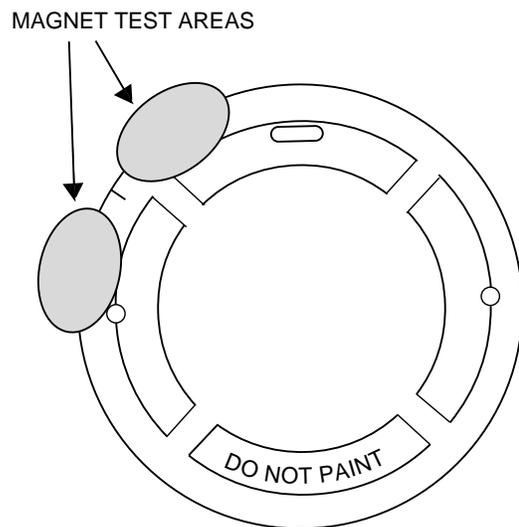
When using the XR2 removal tool with the XP-4 extension poles, avoid any contact with overhead wiring. The wood insulators in the extension poles are not effective in all shock hazard situations.

Figure 2. Insertion of detector head into cup of XR2:



A78-2438-00

Figure 3:



A78-2424-01