

BEAMSMK

Surface mounting kit for use with System Sensor Reflective Projected Beam Smoke Detectors

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

General Description

The BEAMSMK allows System Sensor reflected beam detectors to be mounted when surface wiring is used. This kit must be used when mounting the transmitter/receiver unit with the multi-mount kit (BEAMMMK).

The kit includes the following parts:

Qty.	Description
1	Plastic surface mount box
4	#8-32 × 1/2" screws

Mounting Instructions

1. Read the installation instructions of the beam detector to determine the appropriate number of wires to be used.
2. Drill the appropriate holes to mount the surface box to the wall using the drill centers on the backside of the surface mount box (see Figure 1). Hole locations other than those provided by the drill centers are also acceptable.

Note: If the surface mount box is to be mounted over a recessed junction box the backside of the box may be removed by scoring the insert with a sharp knife and then carefully breaking the insert out (see Figure 1).

3. Drill the appropriate holes for the conduit using the drill centers provided on all four sides of the surface mount box (see Figure 1). Conduit sizes of 1/2" or 3/4" are acceptable.
4. Mount the surface mount box to the appropriate location on the wall using the mounting holes drilled out in the previous step.

Note: For proper operation of the beam detector, the surface mount box must be securely mounted to ensure no subsequent movement of the beam detector will occur after the installation is completed. See "Detector Placement and Mounting" sections of the beam detector manual for further details.

Note: For proper operation of the beam detector, the surface mount box must be mounted to ensure there is line of sight between the transmitter/receiver unit and the reflector. See "Detector Placement and Mounting" sections of the beam detector manual for further details.

5. Pull wiring and conduit through the drilled hole(s). Attach nut(s) (not included) to conduit fitting and tighten. Be sure to leave enough wire to reach the transmitter/receiver unit when attached to the base.
6. Attach the transmitter/receiver unit securely to the base using the four supplied #8-32 × 1/2" screws.
7. Complete the installation of the transmitter/receiver unit using the instructions included with the beam detector.
8. Test the system as indicated in the beam detector instructions.

Figure 1. Drill center locations:

