



SA-1® Scream Alert – Installation Instructions

Model SA-1® detects loud screams occurring within the range of the unit. The unit provides a dry contact closure, which can activate the auxiliary input of any 100 series Emergency Phone with Auxiliary input option or any 400 series phone.

Proper operation of the unit requires that it be located correctly and that the sensitivity be properly set for the installation location. The unit is designed for indoor use only. The power supply for the SA-1® requires a 110VAC, 60 Hz outlet. Make sure an outlet is available before beginning the installation.

INSTALLATION

Connecting the Battery:

As shipped, Model SA-1® is fully assembled. The unit has an internal trickle charge battery that is NOT CONNECTED when the unit is shipped. Follow these steps to connect the back-up battery.

1. Remove the stainless steel faceplate from the unit using the included #4 spanner bit.
2. Carefully cut strain relief strap holding power supply cable and output wires. An additional strap is taped to the back box for use when reassembling the unit.
3. Carefully remove the unit from the back-box (2 slotted screws in upper left and lower right corners for chassis). Remove the insulating paper from between the battery terminals and their connector. Connect battery to connector.

Flush Mounting the Scream Alert:

1. Detach the power supply cable from the SA-1® in order to fully detach the unit from the back box. The output wires will remain attached to the unit at all times.
2. Attach back box to surface as desired.
3. Feed wires through back-box and reattach the power supply cable to the unit. Put unit back in back-box and strain relief as before.
4. If using a 100-Series Emergency phone, connect the Brown and Black auxiliary input wires from the Emergency Phone to the Red and Black wires of the SA-1®. Connect Black to Black and Red to Brown. On a 400-Series Phone the auxiliary input wires are Brown and Blue. Connect Black to Blue and Red to Brown. NOTE: The other wires on the Emergency Phone are for auxiliary outputs and should not be connected to the SA-1®.
5. Reattach the back-box and faceplate.

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Surface Mounting the SA-1 with the K-SM:

1. Locate and mount the K-SM Surface Mount Accessory as desired.
2. Detach the power supply cable from the SA-1 in order to fully detach the unit from the back box. The output wires will remain attached to the unit at all times.
3. Attach SA-1 back box to K-SM.
4. Feed wires through back-box and reattach the power supply cable to the unit. Put unit back in back-box and strain relief as before.
5. If using a 100-Series Emergency phone, connect the Brown and Black auxiliary input wires from the Emergency Phone to the Red and Black wires of the SA-1. Connect Black to Black and Red to Brown. On a 400-Series Phone the auxiliary input wires are Brown and Blue. Connect Black to Blue and Red to Brown. NOTE: The other wires on the Emergency Phone are for auxiliary outputs and should not be connected to the SA-1.
6. Reattach the back-box and faceplate.

ADJUSTING SENSITIVITY

The **Sensitivity Range Switch** (three pin jumper on board) sets the sensitivity of the unit. It should be set to hear screams, but not normal sounds. Try at factory default before making any changes. As shipped from the factory the two inner pins are jumped, for normal or medium sensitivity. To reduce sensitivity, remove the jumper completely. To maximize sensitivity, place the jumper over the two outer pins.

OPERATION

When the unit is activated the red LED on board will light to indicate that the unit has provided the momentary contact closure for the auxiliary input of the Emergency Phone. When the closure time has elapsed (several seconds), the red LED will go out, but the Hands-Free Emergency Phone will not disconnect. NOTE: It is not recommended that the trimmer settings, be adjusted in the field. If you wish to change any of these settings please contact Talk-A-Phone Technical Support first.