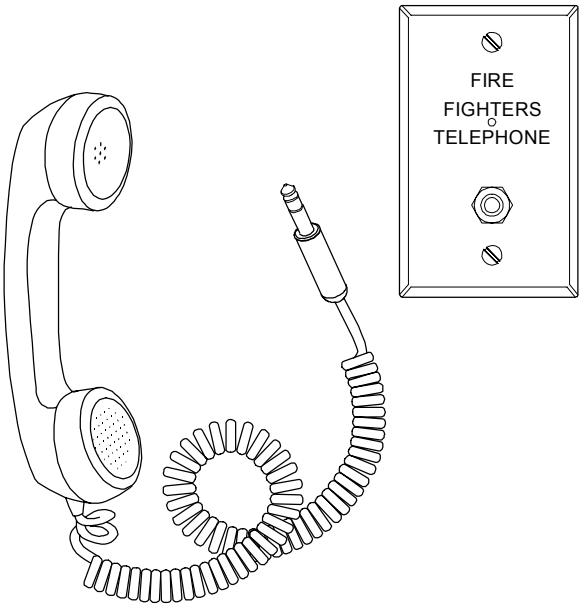
6803-3, 6700-0061, 6833-4
Portable Telephone Handset and Wall Plate

Product description



The Portable Telephone Handset and Wall Plate is an emergency telephone that provides two-way communication during a fire. The wall plate receptacle is installed in a single-gang junction box (purchased separately) and is connected to the telephone riser. The following equipment is required when adding portable handsets to the fire alarm system:

- Handsets (See Table 1 for model numbers)
- Wall plate receptacles (See Table 1 for model numbers)
- A compatible signal module to select the telephone riser, generate the ring tone, and supervise the telephone wiring. One signal module is required for each wall plate receptacle. Select any model listed in Table 2.
- Single-gang junction box, which is purchased locally

Table 1: Portable handset and model numbers

Model description	Model number
Black portable telephone handset	6830-3
Red portable telephone handset	6700-0061
Wall plate receptacle	6833-4

Table 2: Compatible signal modules

Model description	Model Number
Single Input Signal Module	SIGA-CC1 SIGA-CC1-LG GSA-CC1

Table 2: Compatible signal modules

Model description	Model Number
Auto-Sync Output Module	SIGA-CC1S SIGA-CC1S-LG GSA-CC1S
M Series Single Input Signal Module	SIGA-MCC1 SIGA-MCC1-LG GSA-MCC1
M Series Auto-Sync Output Module	SIGA-MCC1S SIGA-MCC1S-LG GSA-MCC1S

After the wall plate has been installed and configured, emergency personnel can contact the control panel by plugging the handset into the wall plate receptacle.

The unit can be configured to provide either for three-state or four-state operation. Note, however, that three-state telephones do not comply with UL 864 ninth edition.

- Three-state telephones monitor the riser and report three distinct states: ground faults, open circuits, and off-hook conditions.
- In addition to these three states, four-state telephones report short circuit conditions, as well.

Whether the handset operates in three- or four-state mode depends on how the wall plate receptacle is connected to the telephone riser, how the signal module is connected to the data riser, and on the personality setting of the signal module. Note that the system programmer, rather than the installer, is responsible for setting the personality code of the signal module.

To connect the wall plate receptacle to the telephone riser, see the wiring diagrams below. To connect the signal module to the data riser, and for a discussion of personality codes, see the installation sheet provided with the signal module.

Specifications

Wall plate dimensions
- Height: 4-1/2 in (11.4 cm)
- Width: 2-3/4 in (7.0 cm)
- Depth: 1-1/4 in (3.2 cm)

Compatible junction box: North American single-gang junction box, 2-1/2 in (64 mm) deep

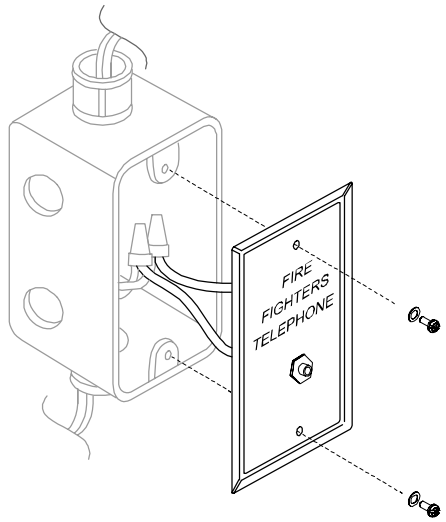
Wiring
- Type: Twisted, shielded, jacketed
- Gauge: 14 to 22 AWG (2.08 to 0.33 sq mm)

Max. line impedance: 50 Ω, 25 Ω per line

Operating environment
- Temperature: 32 to 120° F (0 to 49° C)
- Humidity: 93% RH, noncondensing at 90° F (32° C)

Warning: This module will *not* operate without electrical power. As fires frequently cause power interruption, we suggest that you discuss further safeguards with your local fire protection specialist.

Installation instructions



Note: A maximum of five signal modules per telephone riser is recommended. Five is the maximum number of telephones that can be taken off-hook simultaneously without breaking the current connection.

To install the wall plate receptacle:

1. Select and install a suitable junction box.
2. Bring the field wiring into the junction box.
3. Connect the field wiring as shown in the diagrams below:
   - For three-state operation, wire according to Figure 1.
   - For four-state operation, wire according to Figure 2.
4. Connect the white wire lead from the wall plate to the positive riser cable.
5. Attach the wall plate to the junction box, and secure it with the screws provided.

Wiring diagrams

Telephone riser connection for three-state operation

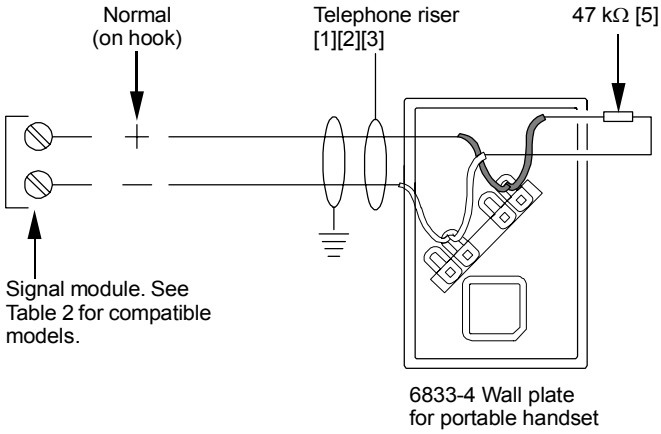


Figure 1: Portable telephone wall plate receptacle wired for three-state operation. Notice that the riser polarity for three-state operation differs from that shown in Figure 2.

Caution: Configuring the unit for three-state operation does not comply with UL 864 ninth edition.

Notes

[1] Use jacketed, twisted, shielded pair

[2] 14 to 22 AWG (2.08 to 0.33 sq mm)

[3] Max. line impedance: 50 Ω, 25 Ω per line

[4] Connect the shields to ground

[5] Install a 47 kΩ EOL resistor on the last unit only

Telephone riser connection for four-state operation

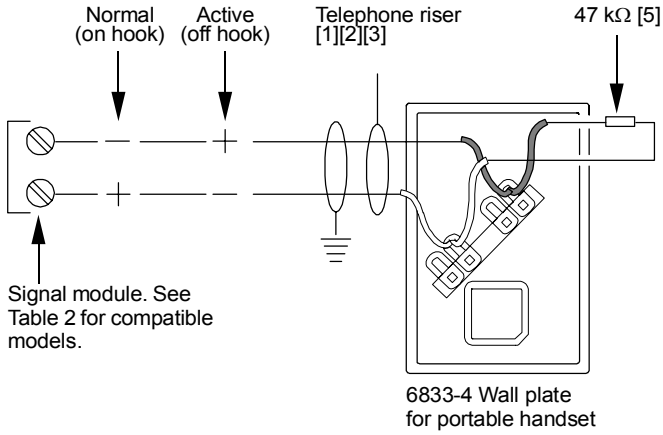


Figure 2: Portable telephone wall plate receptacle wired for four-state operation. Notice that the riser polarity for four-state operation differs from that shown in Figure 1.

Notes

[1] Use jacketed, twisted, shielded pair

[2] 14 to 22 AWG (2.08 to 0.33 sq mm)

[3] Max. line impedance: 50 Ω, 25 Ω per line

[4] Connect the shields to ground

[5] Install a 47 kΩ EOL resistor on the last unit only