

# Fire Alarm Telephones<sup>1</sup>

## Standard Features<sup>2</sup>

## Overview<sup>5</sup>

EDWARDS fire alarm telephones are rugged communications devices for emergency use. Enclosed keylocked telephone stations comprise three separately ordered components: the handset assembly, the frontplate, and the wallbox. Depending on how the phones are wired, they are supervised for three or four state operation. Frontplates are available with either metal or break glass inserts.

MEA approved warden stations feature doors with magnetic latches and one-state handsets with armoured cords. Warden stations mount to 6832-1D wallboxes.

Portable handsets plug into one-gang receptacles. Handsets are available in black or red. The TCS-6 cabinet provides storage for up to six handsets.

## Application<sup>10</sup>

Firefighters' telephones are typically installed in corridors, lobbies, mechanical rooms, stairways, or other strategic locations. When lifted from its cradle, or plugged into a suitable wall jack, the handset activates audible and visible signals at the control panel. There, the operator needs only to lift the handset off the cradle to respond to the current call. Other firefighters' telephones may be selected at the control panel to join the conversation.

### Floor Warden Station<sup>11</sup>

- Magnetic latch
- Red powdercoat finish
- 28-inch armored cord
- Supervised wiring
- Flush or surface mount models
- Concealed Hinges
- Four-state model available

### Frontplate – Break Glass<sup>3</sup>

- Flush or surface mount models
- Red powdercoat finish
- Locking door, concealed hinges
- Break glass insert

### Frontplate – Non-Break Glass<sup>13</sup>

- Flush or surface mount models
- Red powdercoat finish
- Locking door, concealed hinges
- Metal insert

### Wallbox, 6832-1D<sup>15</sup>

*For use with 6830 Warden Stations*

- Red powdercoat finish
- Flush or surface mount
- For use with 6831 series front plates
- Flush or surface mount

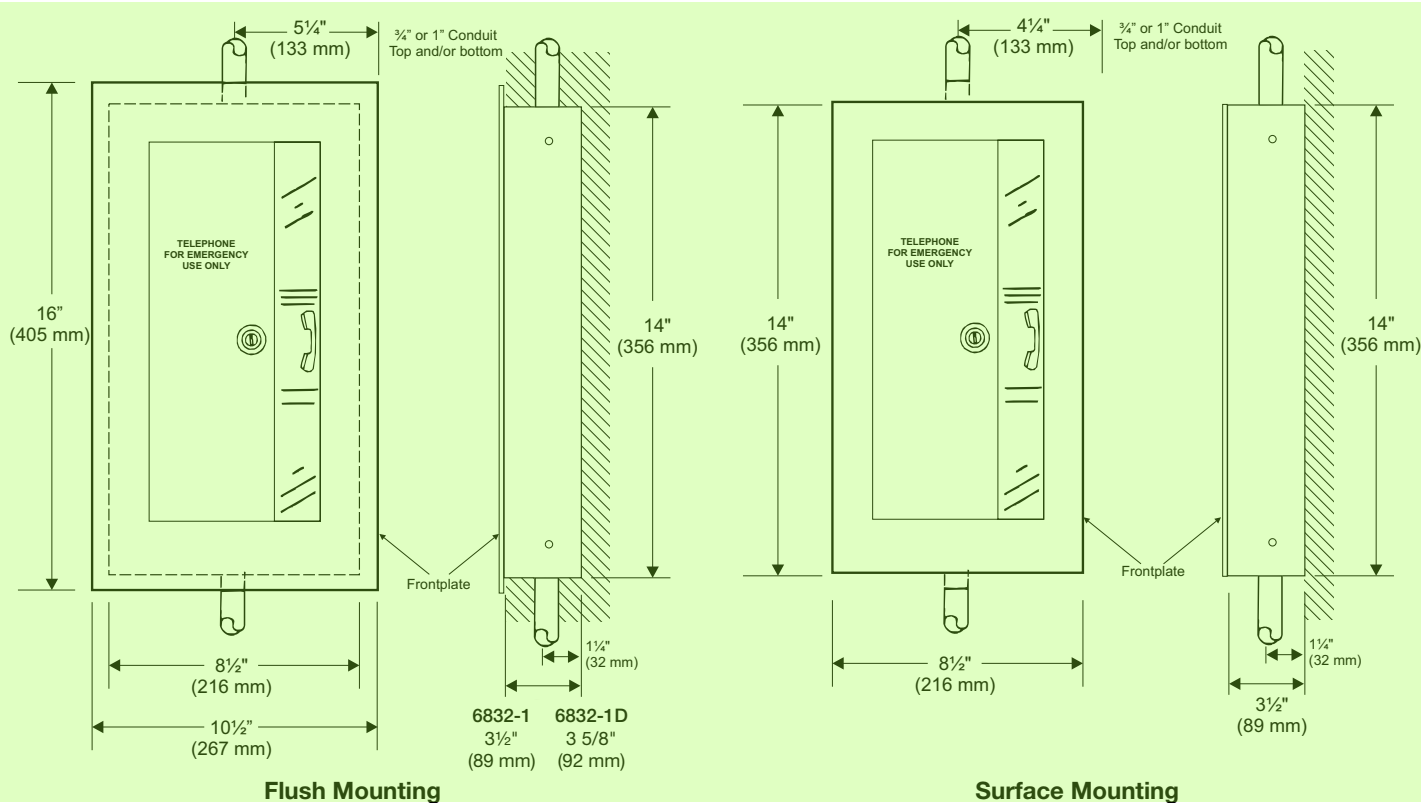
### Handset Assembly<sup>17</sup>

- Red ABS plastic handset
- 60 inch (1500 mm) coiled cord set
- Supervised wiring
- For use with 6831 series front plates
- Four-state models available

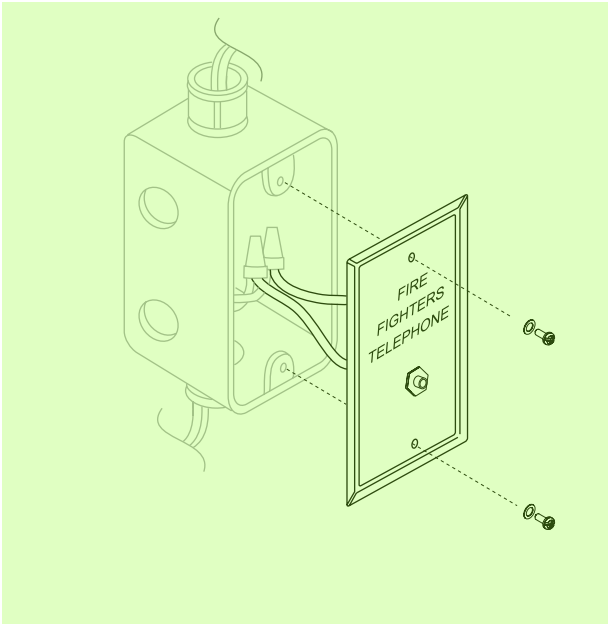
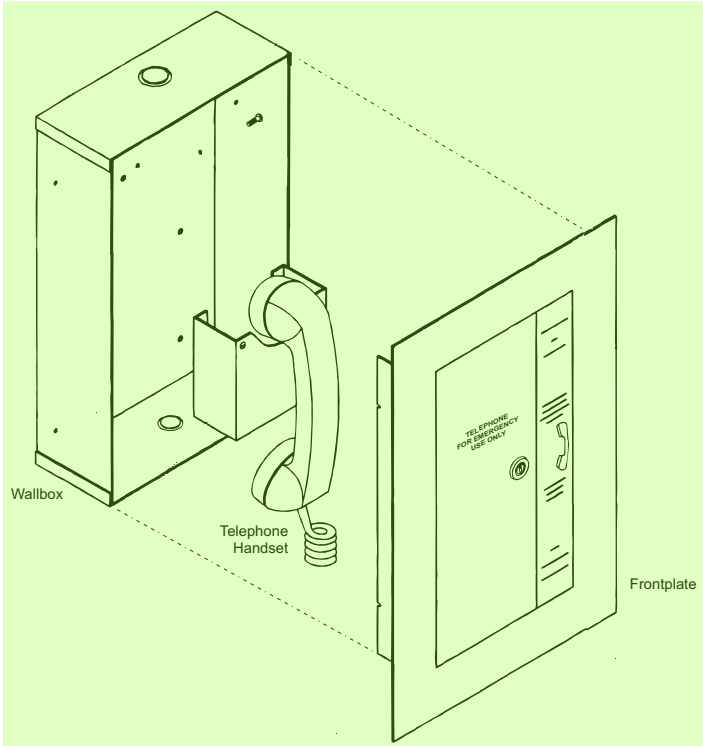
### Portable Handsets and Receptacle<sup>19</sup>

- Black or red ABS plastic handset
- 60 inch (1500 mm) coiled cord set
- Supervised wiring
- Stainless-steel one-gang faceplate
- Flush or surface mount receptacle
- Four-state models available

Mounting<sup>1</sup>



Assembly<sup>3</sup>

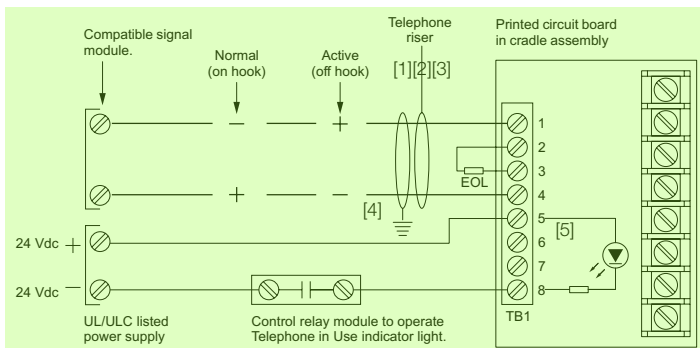


EDWARDS recommends that these fire alarm communication devices always be installed in accordance with the latest recognized editions of national and local fire alarm codes.

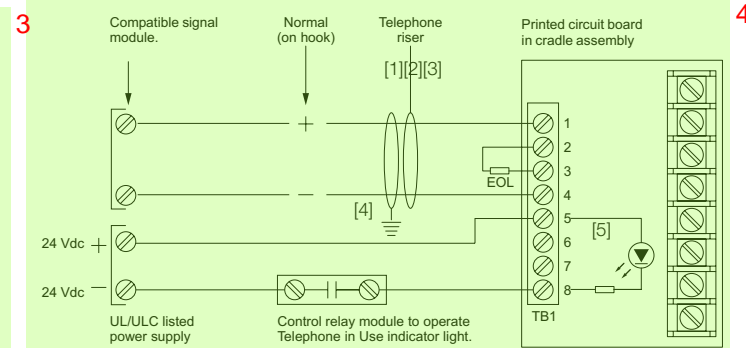
## Typical Wiring

### Telephone Riser Connections, Stations & Assemblies <sup>1</sup>

#### Four-state operation <sup>2</sup>



#### Three-state operation



#### Notes <sup>5</sup>

- [1] Use jacketed, twisted, shielded pair
- [2] 14 to 22 AWG (2.08 to 0.33 sq mm)
- [3] Max. line impedance: 50 Ohms, 25 Ohms per line

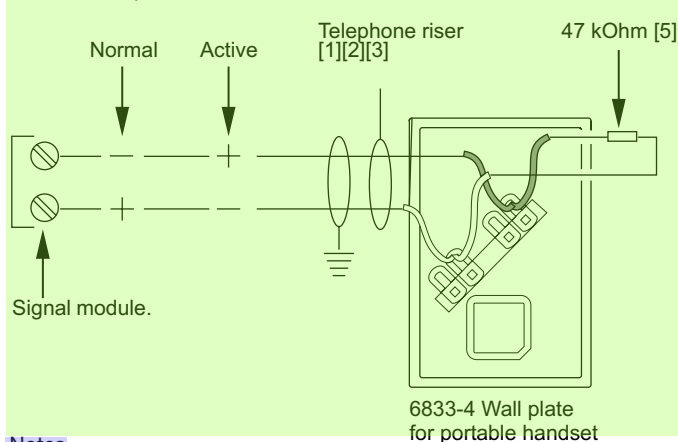
- [4] Connect the shields to chassis ground in the control panel
- [5] Telephone in Use indicator light (NY versions only)

Three-state operation does not comply with UL 864 ninth edition.

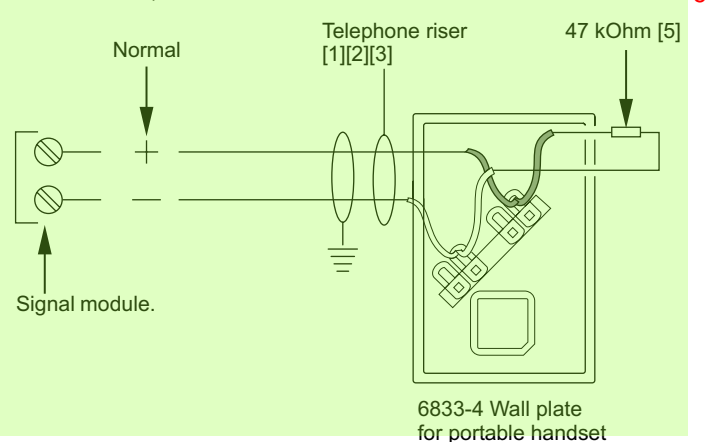
Note that the riser polarities for differ between three-state and four-state operation.

### Telephone Riser Connections, Handsets <sup>8</sup>

#### Four-state operation



#### Three-state operation



#### Notes <sup>10</sup>

- [1] Use jacketed, twisted, shielded pair
- [2] 14 to 22 AWG (2.08 to 0.33 sq mm)
- [3] Max. line impedance: 50 Ohms, 25 Ohms per line

- [4] Connect the shields to chassis ground in the control panel
- [5] Install a 47 k Ohm EOL resistor on the last unit only

Three-state operation does not comply with UL 864 ninth edition.

Note that the riser polarities for differ between three-state and four-state operation.

## Ordering Information <sup>1</sup>

Catalog Number	Description	Listings	Shipping Weight
Warden Stations			
6830-NY-F4	Four-state Remote Telephone Warden Station - Flush. Handset station for use with 6832-1D backbox. Hinged flush door with magnetic latch. Handset includes armored cord.	UL, MEA	12 lb (5.4kg)
6830-NY-S4	Four-state Remote Telephone Warden Station - Surface. Handset station for use with 6832-1D backbox. Hinged surface door with magnetic latch. Handset includes armored cord.	UL, MEA	12 lb (5.4kg)
Fixed Telephone Handsets (order frontplates and wallboxes separately)			
6830-4	Four-state Telephone Handset Assembly - Red, 60" (1500mm) Coiled Cord.	UL, MEA	6 lb (2.7kg)
6830-5A-4	Four-state Telephone Handset Assembly - Red, 60" (1500mm) Coiled Cord, Push-to-talk button.	UL, MEA	6 lb (2.7kg)
6830-6A-4	Four-state Telephone Handset Assembly - Red, 60" (1500mm) Armored Cord, Push-to-talk button.	UL, MEA	7 lb (3.1kg)
Portable Telephone Handsets			
6833-4	Four-state Portable Telephone Handset Receptacle 1-gang Stainless-steel Faceplate for use with 6830-3 or 6700-0061.	UL, MEA, CSFM	.22 lb (0.1kg)
6830-3	Portable Telephone Handset - Black c/w 60" (1500mm) Coiled Cord.	UL, MEA, CSFM	1.1 lb (0.5kg)
6700-0061	Portable Telephone Handset - Red c/w 60" (1500mm) Coiled Cord.	UL, MEA	1.1 lb (0.5kg)
Frontplates			
6831-1	Frontplate - Flush Mount, Red Finish, Break Glass Type c/w 2 keys. 16" (405 mm) H x 10-1/2" (267 mm) W.	See Note 1	1.32 lb (0.6kg)
6831-2	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type c/w 2 keys. 16" (405 mm ) H x 10-1/2" (267 mm) W.		1.32 lb (0.6kg)
6831-3	Frontplate - Surface Mount Red Finish, Break Glass Type c/w 2 keys. 14" (356 mm) H x 8-1/2" (216 mm) W.		1.1 lb (0.5kg)
6831-4	Frontplate - Surface Mounting Red Finish, Non-Break Glass Type c/w 2 keys. 14" (356 mm) H x 8-1/2" (216 mm) W.		1.1 lb (0.5kg)
PP46137-0067	Replacement Break Glass Insert - for use in 6831-1 and 6831-3.		1.1 lb (0.5kg)
Wallboxes			
6832-1	Wallbox - Flush or Surface mount, Red finish. 14" (356mm) H x 8½" (216mm) W x 3½" (89mm) D.	See Note 1	1.54 lb (0.7kg)
6832-1D	Wallbox - Flush or Surface mount, Red finish. 14" (356mm) H x 8½" (216mm) W x 3 5/8" (92mm) D.	See Note 1	1.54 lb (0.7kg)
TCS-6	Portable handset storage cabinet. Surface mount c/w keylock. Red finish with white lettering: "Emergency Telephone Handsets". 15½" (394 mm ) H x 24-1/8" (613 mm) W x 4"(102) D.	N/A	12 lb (5.4kg)

Note 1: Agency listings for these components are included under the handset assemblies or warden stations they are installed with. <sup>3</sup>