## Features

**Firefighter telephones provide direct communications with the Firefighter Telephone Control's master phone:**

- When remote phones call the master, a call tone is provided to verify that the request is in process (exact performance may vary depending on master phone equipment)
- Two-wire telephone circuits are supervised and power-limited
- Compatible with 4100ES and 4100U Series, and legacy 4100/4120 Series Simplex Firefighter Telephone Controls

**Phone assemblies are available for the following:**

- Surface or flush mounting

  **Note:** Backbox is ordered separately

- Or as separate phone sets for plugging into dedicated remote phone jack stations

**Available options:**

- Break-rod door latch allows access during emergencies
- Armored cable models to minimize vandalism (voice and ear caps are sealed with adhesive)
- Push-to-talk (PTT) phones provide input control at the remote phone
- Magnetic latch models with "Fire Warden Station" marking and LED call indicator
- Additional options are listed in  and Table 3.

**Available Accessories:**

- Replacement break-rod

**UL Listed to Standard 864**

## Description

**Firefighter telephone systems provide** two-way communications for facilities where radio communications may not be available or are unreliable. They are typically used during active firefighting conditions, during a fire alarm investigation, or during fire alarm system inspection and test.

**Operation requires** a dedicated two-wire circuit, typically using twisted, shielded pair wiring (TSP) to minimize electrical noise pickup from adjacent wiring. Depending on the master control, up to 6 remote phones and the master can be in simultaneous use. For additional information refer to installation instructions 579-226, and datasheet S4100-0034, which describes 4100ES Master phone control operation.




**Figure 1: Remote Phone Jack Station 2084-9001**




**Figure 2: Remote Phone Jack Station 2084-9023**




**Figure 3: Firefighter Phone Jack Station 976200 Reference**

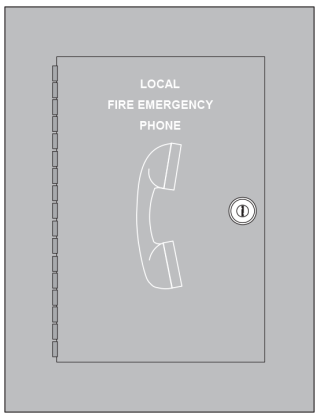



**Figure 4: Door and Trim, Surface Mount**

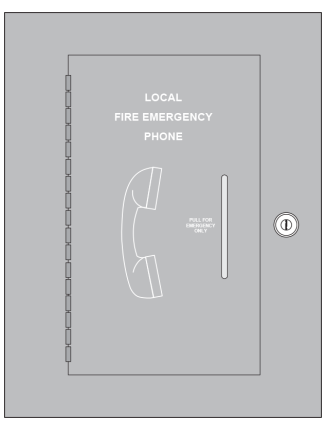



**Figure 5: Door and Trim, Flush Mount with Pull Handle and Break-Rod**

*ULC listing is applicable to standard remote pluggable phone and phone jack station. This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 6912-0026:054 for allowable values and/or conditions concerning material presented in this document. Accepted for use – City of New York Department of Buildings – MEA35-93E. Additional listings may be applicable; contact your local product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products Westminster.



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## Remote phone jacks

**Details and Mounting**. Phone jacks are mounted on a stainless steel single-gang plate for use with pluggable phones. The front is marked with red "FIRE EMERGENCY PHONE" lettering. Mounting requires a single-gang electrical box, 2 in. (51 mm) minimum depth. In/out wiring is by color-coded 18 AWG (0.82 $mm^2$) wire leads.

Model 2084-9001 is standard. Model 2084-9023 is similar to 2084-9001 but also provides an LED indicator powered from the remote phone wiring. The LED is activated when "Call-Out" is selected at the Master phone, a request for the responding personnel to plug in their phones and communicate with the master.

## Remote phones, cabinet mounted

**General Information**. Doors and trim are painted red and available for surface or flush mounting. The doors are silk-screened in white with "LOCAL FIRE EMERGENCY PHONE" or other options, see .

**Break-Rod Door Option**. This mounting type provides a glass break-rod, similar to those used in manual fire alarm stations. The break-rod is positioned inside the door such that pulling the door handle breaks the rod and allows the door to open. A standard lock is also provided to allow authorized entry without breaking the rod.

**Phone Options**. Armored cable phones include voice and ear caps sealed with adhesive to minimize vandalism. They are also available with "push-to-talk" switches that allow the user to mute the transmitter until talking is required. Phone handsets are constructed of Cycolac type T, a thermal ABS material.

**Remote Fire Warden Station**. This mounting type provides an armored cable phone and a door equipped with a magnetic latch instead of a lock. Typical use would be where the phone is located in a controlled access area. The door is silk-screened with "FIRE WARDEN STATION" and a red call-in request LED is mounted on the lower left corner of the door trim.

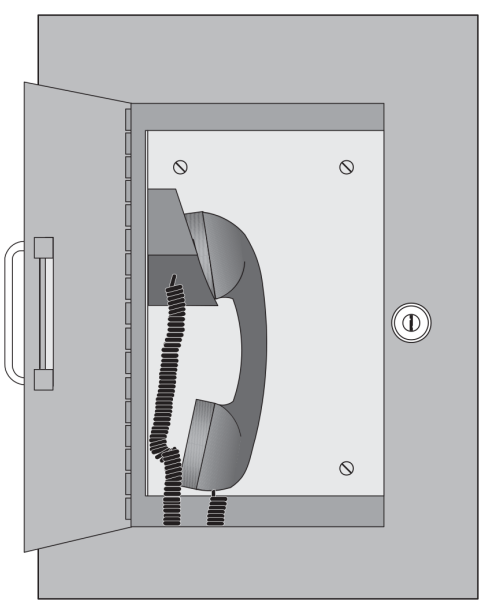


**Figure 6: Interior View of Remote Phone Cabinet (Shown With Pull Handle and Break-rod)**

## Pluggable phones

**2084-9014 Red Pluggable Phone**. The 2084-9014 emergency telephone is ruggedly constructed of Cycolac type T, a thermal ABS material. A coiled line cord and jack is attached. Cord length is 5 ft (1.5 m).

These phones are typically stored in a cabinet at the central control panel area where they would be conveniently located for fire fighters or other authorized personnel. They are compatible with commercially available storage cabinets.

**2084-9024 Red Pluggable Phone, Push-to-Talk**. This phone is the same as the 2084-9014, except it is equipped with a large and easily operated push-to-talk switch located on the inside handle between the receiver and transmitter.



**Figure 7: 2084-9014 Pluggable Phone**



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## Firefighter phone backbox and phone assemblies for backbox mounting

**Table 1: Firefigher Phone Backbox**

| Model | Description | |
|---|---|---|
| 2975-9053 | Backbox, red; dimensions = 13 in. H x 9 11/16 in. W x 3 1/2 in. D (330 mm x 243 mm x 89 mm) | **Note:** Ordered Separately; one required for each Firefighter Phone Assembly listed below |

**Table 2: Firefighter Phone Assemblies for Backbox Mounting (see note below)**

| Model (Type) | UL | FM | CSFM | MEA (NYC) | Locked Door | Mounting Style | Break-Rod Door with Handle | Armored Cable Phone | Push-To-Talk Phone | Door Marking |
|---|---|---|---|---|---|---|---|---|---|---|
| 2084-9002 (4590-B) | Yes | Yes | Yes | Yes | Yes | Surface | — | — | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9003 (4590-B) | Yes | Yes | Yes | Yes | Yes | Flush | — | — | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9004 (4590-BX) | Yes | — | Yes | — | Yes | Surface | — | Yes | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9005 (4590-BX) | Yes | — | Yes | — | Yes | Flush | — | Yes | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9006 (4590-C) | Yes | Yes | Yes | Yes | Yes | Surface | Yes | — | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9007 (4590-C) | Yes | Yes | Yes | Yes | Yes | Flush | Yes | — | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9008 (4590-CX) | Yes | — | Yes | — | Yes | Surface | Yes | Yes | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9009 (4590-CX) | Yes | — | Yes | — | Yes | Flush | Yes | Yes | — | LOCAL FIRE EMERGENCY PHONE |
| 2084-9017 (4590-CX) | Yes | — | Yes | Yes | Yes | Surface | Yes | Yes | Yes | FIREMAN'S TELEPHONE EMERGENCY OR AUTHORIZED USE ONLY |
| 2084-9018 (4590-CX) | Yes | — | Yes | Yes | Yes | Flush | Yes | Yes | Yes | FIREMAN'S TELEPHONE EMERGENCY OR AUTHORIZED USE ONLY |
| 2084-9020 (4590-CX) | Yes | — | Yes | Yes | Yes | Flush | Yes | Yes | — | FIREMAN'S TELEPHONE FIREMAN'S USE ONLY |
| 2084-9021 (4590-CX) | — | — | — | — | — | Surface | Magnetic latch door with call-in red LED on door trim and armored cable phone | | | FIRE WARDEN STATION |
| 2084-9022 (4590-CX) | — | — | — | — | — | Flush | | | | |

**Note:** Includes phone, mounting plate, and door assembly; some models are agency listed by 4590 Series type number as shown in parenthesis. These phone assemblies require a 2975-9053 backbox, ordered separately.

## Firefighter pluggable phones, phone jacks, and accessories

**Table 3: Pluggable Firefighter Phones**

| Model | Type | Description | | UL | ULC | FM | CSFM | MEA (NYC) |
|---|---|---|---|---|---|---|---|---|
| 2084-9014 | 4590-E | Red pluggable phone | For use with 2084-9001 or 2084-9023 Firefighter Phone Jack Stations | Yes | Yes | Yes | Yes | Yes |
| 2084-9024 | NA | Push-to-talk red pluggable phone | | Yes | — | Yes | Yes | Yes |
| **Firefighter Phone Jack Station**; single gang mount, requires minimum of 2 in. depth | | | | | | | | |
| 2084-9001 | 4590-A | Standard | Remote phone jack station | Yes | Yes | Yes | Yes | Yes |
| 2084-9023 | NA | With call-in LED | | Yes | — | — | Yes | Yes |
| 976200 | NA | Remote phone jack station for use with 976243 contact assembly | | — | — | — | — | — |
| **Firefighter Phones Accessories** | | | | | | | | |
| 2099-9804 | Replacement break-rod | | | | | | | |
| 4081-9008 | 10 kΩ, 1/2 W, End-of-Line Resistor Harness; (ref. 733-894); one required for each Class B phone circuit | | | | | | | |
| 976243 | DPDT contact assembly for Model 976200 Phone Jack Station (order station separately) | | | | | | | |



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## Door trim dimension reference

**Table 4: Door Trim Dimension Reference**

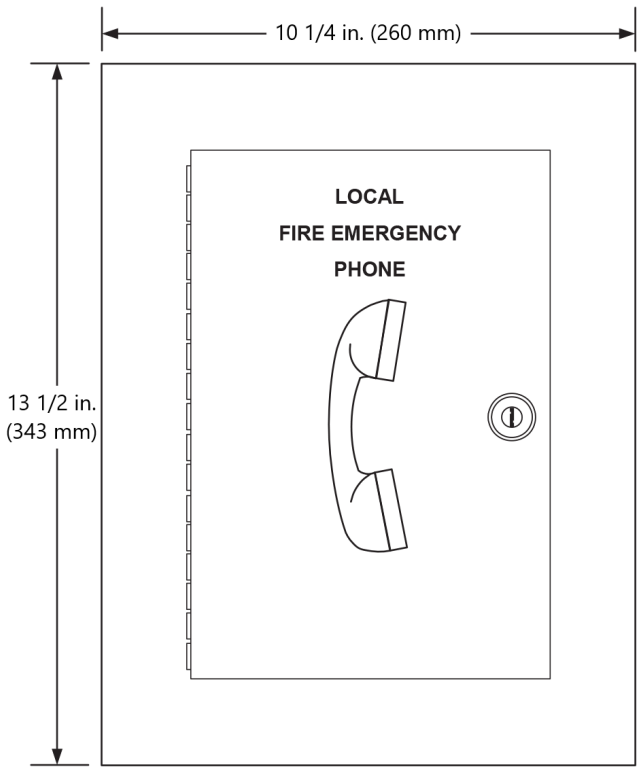



Figure 8: Surface Mount Assembly Reference

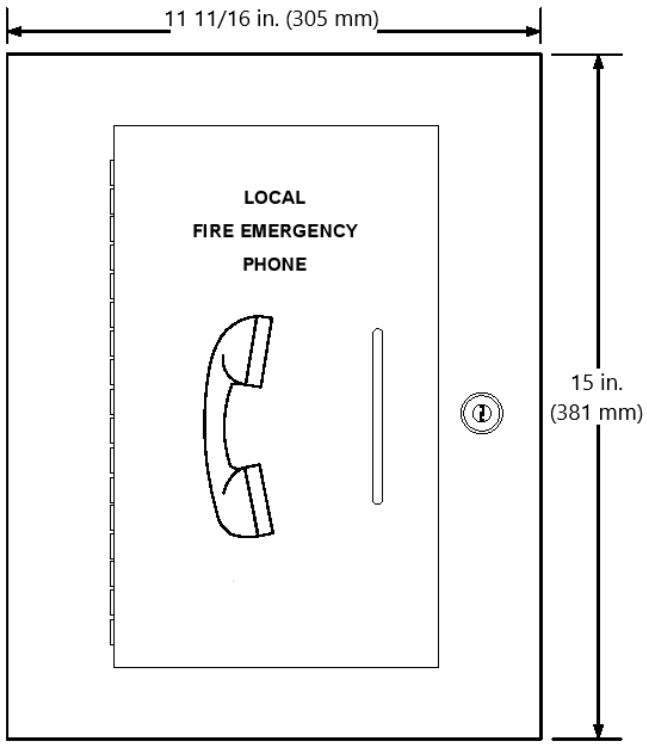



Figure 9: Flush Mount Assembly Reference

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