

# 893A DUAL PHONE LINE MODULE

## Installation Guide

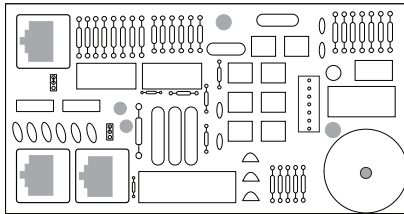


Figure 1: 893A

### DESCRIPTION

The 893A is a dual telephone line supervision module that allows DMP Panels to indicate a phone line failure to the premises and central station, and switch to secondary phone line communication when the primary line is down.

### Compatibility

- The 893A is compatible with XR150/XR550 Series Panels.

### What is Included?

- 7-wire Harness
- Hardware pack

## 1 INSTALL THE MODULE



**Caution:** Ground yourself before handling the panel. Touch any grounded metal, such as the enclosure, before touching the panel to discharge static. After grounding yourself, remove all power from the panel. Remove all AC and Battery power from the panel before installing or connecting any modules, cards, or wires to the panel.

The 893A Module snaps into one of the enclosure 3-hole mounting locations and connects to any compatible panel using a 7-conductor harness and a 2-foot phone cord. Follow the instructions below and refer to Figure 2 to install the 893A:

1. Mount the plastic standoffs to the enclosure three-hole mounting locations using three Phillips head screws.
2. Insert the screws from the enclosure outside through the holes and into the plastic standoff that mounts on the enclosure inside and tighten.
3. Gently snap the 893A onto the standoffs.
4. Use the supplied 7-wire harness to connect 893A connector to the panel connector.
5. Use the supplied phone cord to connect the 893A modular connector labeled panel to the panel phone jack
6. Connect the main and backup phone lines to the Main and Backup modular connectors on the 893A.

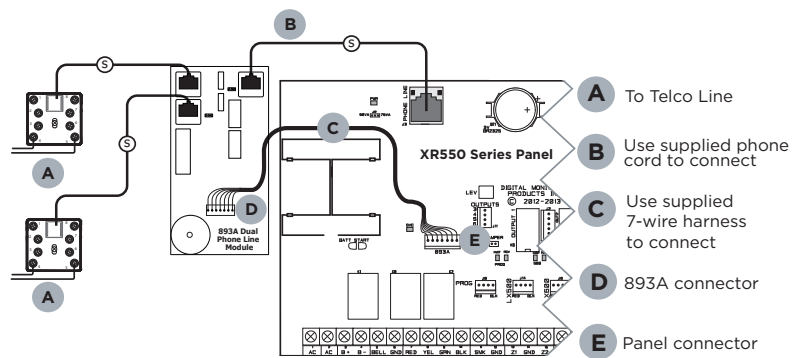


Figure 2: 893A with RJ and 7-wire Harness Connections



## ADDITIONAL INFORMATION

### Phone Line Monitor

The 893A uses a phone line monitor for the main and backup phone lines. Before sending a report, the 893A verifies that the main phone line is working. If the line is bad, the module tests the backup phone line. The 893A sends the report on the first working phone line.

The phone line monitor has a two-minute trouble delay and a one-minute restore delay. Phone line trouble is displayed in the keypad Status List as a System Trouble. At least one keypad on the system must be programmed to display system troubles in the Status List.

- A** 893A to Panel Phone Line Connector
- B** 893A MAIN to Phone Block
- C** 893A BACKUP to Phone Block
- D** 893A Connector to Panel Connector
- E** DS1 Buzzer

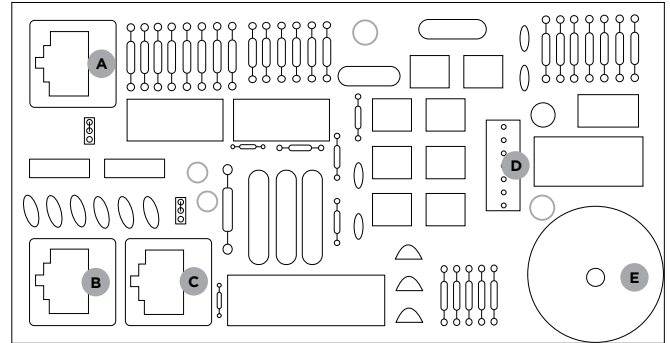


Figure 3: 893A Layout

### Two Line Digital Dialer

You can configure the 893A to provide two lines of digital dialer for XR150/XR550 Series panels. The MAIN modular jack is used for the primary dialer. The BACKUP modular jack is used for the secondary digital dialer line.

**⚡ Caution:** To reduce the risk of fire, use only 26 AWG or larger telecommunication line cord, such as DMP Model 356 Series Phone Cords.

### Processor Fail Buzzer

The 893A Module also monitors the panel CPU and sounds a trouble buzzer whenever the panel is reset or the processor stops functioning. The 893A Module also monitors the keypad bus and sounds a trouble buzzer whenever the keypad bus fails to operate.

### Jumper Settings

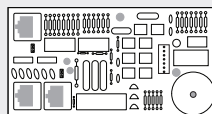
There are two sets of jumpers on the 893A Module. For Digital Dialer, set both jumpers to DD. Refer to Figure 4 for jumper locations.



Figure 4: Jumpers Set to DD

## 893A

### Specifications



|   |   |
|---|---|
| Operating Voltage                                 | 12 VDC from the panel                                       |
| Current Draw                                      | 35.5 mA Normal Operation<br>110 mA Processor Fail Buzzer On |
| The maximum telephone line impedance is 100 Ohms. |   |

### Certifications

FCC Part 15  
FCC Part 68 Registration ID CCKUSA-18660-AL-R  
California State Fire Marshal (CSFM)  
New York City (FDNY)  
Underwriters Laboratory  
UL 864 Fire-Protective Signaling Systems



Designed, engineered, and  
manufactured in Springfield, MO  
using U.S. and global components.

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