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**Preliminary 9/19/03**

## Product Summary
Part No. 60-982-95R

The Dialog™ QS1000 Allegro Remote Station is a wireless wall-mount remote station designed to provide remote security system control and status checking. The Remote Station allows the user to perform the following functions:

- Arming and Disarming
- Activating Police, Auxiliary and Fire Panic Alarms
- Checking of System Status

The remote station has the following features:

- One Hardwire Input
- Built-in Siren
- Wall Tamper
- Custom Liquid Crystal Display (LCD)
- Armed and Ready LEDs

## Programming

The following steps describe the general process for programming (learning) the remote station into panel memory. Refer to the specific panel *Installation Instructions* or *Reference Manual* for complete programming details.

➢ **To program the remote station into the system:**

1. Enter the appropriate code to access the panel menus.
2. Enter the panel Learn/Add Sensors/Devices menu.
3. Change the sensor number if necessary.
4. Press and hold both Police Panic buttons on the remote station.

➢ **To set the volume of status beeps from the remote station:**

1. Press and hold the 8 button. The remote station will beep every 2 seconds.
2. Release the button when the desired volume is reached.

## Mounting

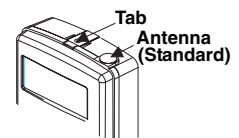Use the following procedure to mount remote station to the wall or wall studs.

> **You must be free of static electricity before handling circuit boards. Wear a grounding strap or touch a bare metal surface to discharge static electricity.**

**Static**

➢ **To mount the remote station:**

1. Remove the remote station from the back mounting plate by lifting the tab located on the top and pulling back.
2. Remove the wiring knockout.
3. Feed all device wires through the knockout and place the back mounting plate in position against the wall.
4. Level the back mounting plate and mark the top and bottom mounting holes.



*Figure 1. Tab location*

5. Install anchors where studs are not present.

6. Partially insert a screw into the top mounting hole location then hang the back mounting plate on the screw.

7. Recheck for level, insert the lower screw, and tighten both mounting screws.

8. Install the antenna. There are three antenna options to choose from:

   • **Standard Range**- Leave the antenna as is.

   • **Extended Range** - Attach the optional antenna housing (included in the accessory pack) to the remote station.

     a. Push the antenna housing down into the top right hole of the remote station until it snaps into place (see Figure 2).

     b. Remove the antenna loop from the last clip on the remote station cabinet and insert it into the antenna housing.

   • **Longest Range** - Hang the antenna in the wall.

     a. When you mark the back mounting plate's two mounting holes, also mark where the antenna hole is (see Figure 2 for antenna wire hole location).

     b. Where the antenna hole was marked, drill a hole into the wall.

     c. Remove the antenna loop (see Figure 2) from the remote station cabinet clips and feed through the antenna hole and down into the wall.



**Antenna Loop**

**Clips**

**Antenna Wiring (Standard Range)**

**Antenna Housing**

**Push Down Into Panel**

**Optional Antenna Housing (Extended Range)**

**Tamper Switch**

**Mounting Holes**

**Knockout**

**Wire Clip**

**Antenna Wire Hole**
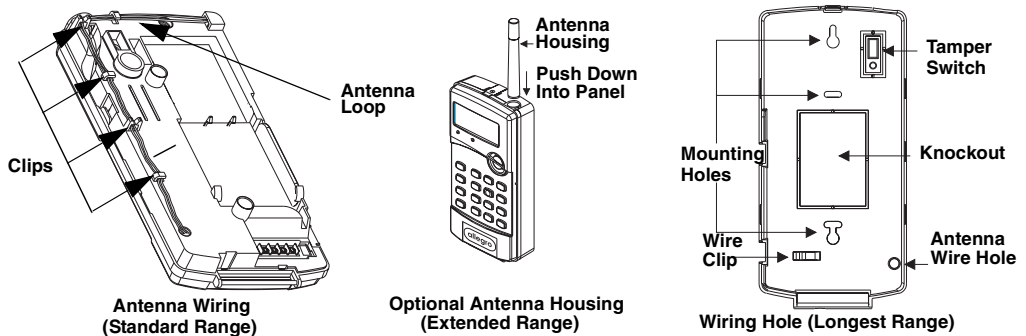
**Wiring Hole (Longest Range)**

*Figure 2. Antenna configurations*

9. Place the remote station cabinet into the back mounting plate and snap into place.

## Connecting Detection Devices to the remote station

The remote station has one hardwire input. The input is supervised using a 2.2 k Ohm, end-of-line (EOL) resistor (included with the remote station) at the last device on the circuit. It accepts normally closed (N/C) detection devices. Figure 3 shows the typical wiring for a N/C door/window intrusion detection.

The maximum loop resistance for each zone input is 300 ohms, plus the 2.2 k Ohm EOL resistor.

**Important !**
*The 2.2 kOhm EOL resistor must be installed across terminal 3 and 4 even when no detection device is connected. If this is not done the panel will indicate the zone is open.*
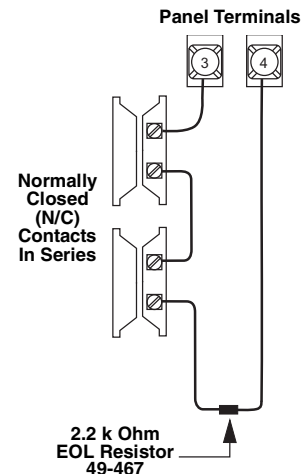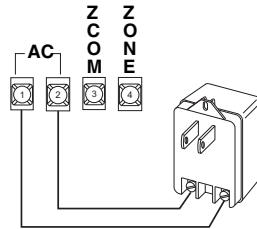


**Panel Terminals**

**Normally Closed (N/C) Contacts In Series**

**2.2 k Ohm EOL Resistor 49-467**

*Figure 3. Wiring N/C Intrusion Detection devices*

## Connecting the AC Power Transformer



**Caution**

*Do not plug in the power transformer at this time. The panel must be powered up using the sequence of steps described in the "Powering up the Panel" section.*



The remote station must be powered by a UL approved transformer. Connect the power transformer to the panel as shown in Figure 4.

*Figure 4. Connecting a Power Transformer*

## Connecting the Backup Battery Pack

The remote station will receive its primary power from an AC class II transformer. In the event of an AC power failure, the remote station will be powered by a battery pack containing four rechargeable NiCd batteries.
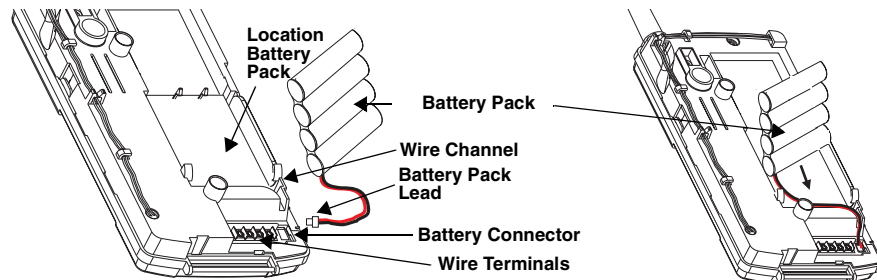


*Figure 5. Connecting the Battery Pack*

➢ **To connect the backup battery pack:**

1. Remove the panel housing from the back mounting plate by lifting the tab located on the top of the remote station and pulling back.

2. Slide the battery pack into the space provided on the back of the remote station (Figure 5).

3. Plug the battery pack lead into the slot provided next to the wire terminals (Figure 5).

4. Replace the remote station housing on the back mounting plate and snap into place.

**Note**
*Verify the front door is in place before replacing the panel on the mounting plate. It is not possible to attach the door after the panel is secured to the mounting plate.*

**Note**
*Be sure to run the battery pack wires below the battery and through the wire channel.*

## Powering Up the Remote Station

After connecting and wiring all devices to the panel, you are ready to apply AC power to the panel.

➢ **To power up the panel:**

◆ Plug the transformer into an outlet that is not controlled by a switch or ground fault circuit interrupt (GFCI). Be sure to screw the top of the transformer onto the outlet so that it doesn't fall out of the outlet.



**Warning**

*Be careful when securing the transformer to an outlet with a metal cover. Hold the cover tightly in place. You could receive a serious shock if the metal outlet cover drops onto the prongs of the plug while you are securing the transformer and cover to the outlet box. If the panel does not display anything, immediately unplug the transformer and disconnect the backup battery.*

## Specifications

| | |
|---|---|
| **Model No.:** | 60-982-95R |
| **Compatibility:** | Allegro™ Software Version 1.3 and later |
| **RF Frequency:** | 319.5 + or - 140 kHz |
| **Power Source:** | 8 or 9 VAC, minimum 300 mA (Must be a GE Interlogix recommended transformer.) |
| **Battery Type:** | 4.8 VDC rechargeable NiCd battery pack |
| **Typical Standby Current:** | |
| **Operating Temp Range:** | 32° to 122° F (0° to 49° C) |
| **Storage Temp Range:** | -30° to 140° F (-34° to 60° C) |
| **Relative Humidity:** | 90% non-condensing |
| **Dimensions (in):** | 7.5 x 6.75 x 1.5 (L x W x D) |
| **Weight (lb):** | 1.0 |
| **Installation:** | Wall mount |
| **Nominal Range:** | 500 Feet, (150 m) open-air receiving range |

## Notices

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions.

This device may not cause harmful interference.

This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by GE Interlogix can void the user's authority to operate the equipment.

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