

# INSTALLATION INSTRUCTIONS

## DS7135 Control Station

### GENERAL INFORMATION:

The DS7135 is a 4-wire connected Control Station intended for use with the DS7100 Control/Communicator. Containing a keypad, sounder, status indicator lights and digital readout display, the DS7135 is designed to support all control system functions.

A DS7135 may add up to three (3) additional zones to the system. With installation of two or more Control Stations, a maximum of six (6) additional zones may be added.

Recommended wiring to the control is standard #22 AWG, non-shielded quad conductor (4 wire) cable. A maximum of 500 feet (150m) of wiring is allowed between the control and each control station (does not include zone wiring).

Mounting variations of the Control Station include wall surface mounting, mounting to standard single or four gang switch or outlet boxes, and direct mounting to the front of the DS7100 control enclosure. With use of the C304 cable, a DS7135 may also be used as a portable test/programmer allowing it to be carried from job site to job site as a temporary station when and where needed.

### LOCATION:

Ideally, one DS7135 should be located close to the primary entry/exit door to the premises, and within 500 ft. of the DS7100 control. As the control will support a maximum of four Control Stations, installation of additional stations is allowed at secondary entry/exit points, or other strategic locations within the premises.

Where the distance from any entry/exit point to the nearest Control Station will cause a violation of a protection zone, appropriate entry/exit delay time periods and delay zones must be considered.

**NOTE:** *Not intended for outdoor installations.*

*If the additional keypad zones are used on a UL certificated installation the keypad must be placed in the protected area.*

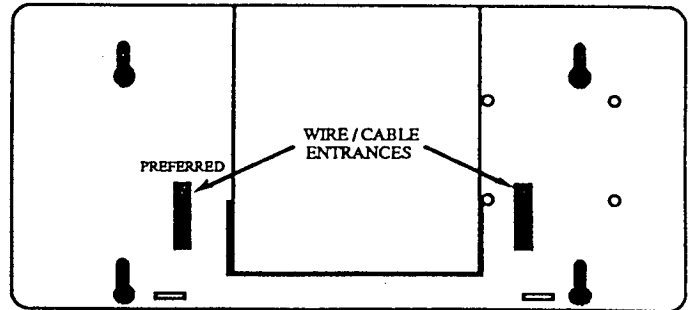
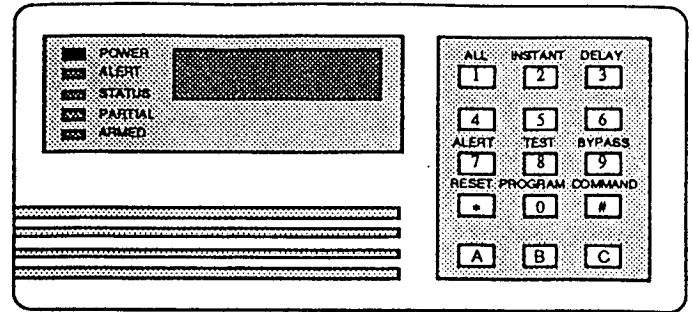
### MOUNTING:

( ) Remove the cover from the base by inserting a flat screw driver in the two slots in the bottom of the cover and pressing up, pull the cover straight away from the base.

( ) **Wall Surface Mount** - Using the base as a template, mark the location for the four mounting holes and the wire/cable entrance on the mounting surface.

Provide an appropriate opening in the mounting surface for the wiring, and pre-start the mounting screws. *Do not secure the base at this point.*

( ) **Switch or Outlet Box Mount** - Use either set of holes for mounting to a single gang box and both sets of holes for mounting to four gang boxes. With the single gang box mount, secure the other set of holes to the wall. *Do not secure the base at this point.*

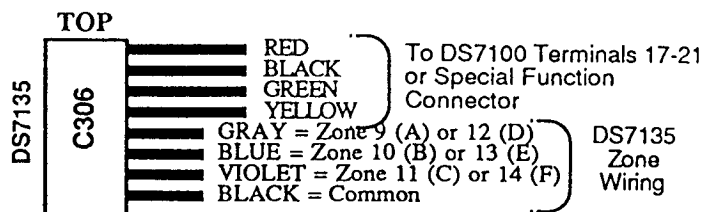


### WIRING:

( ) Route wiring as necessary from the control to the point of DS7135 installation. Use no more than 500 ft. (150 m) of #22 AWG, 4 wire cable for connection to the control. **Be sure all wiring is unpowered (de-energized) before routing.** **NOTE:** *Each Control Station must be individually wired back to the control. Do not daisy chain or T-tap the wiring.*

( ) Bring cable through the Wire/Cable Entrance in the base, and secure the base to mounting surface or box.

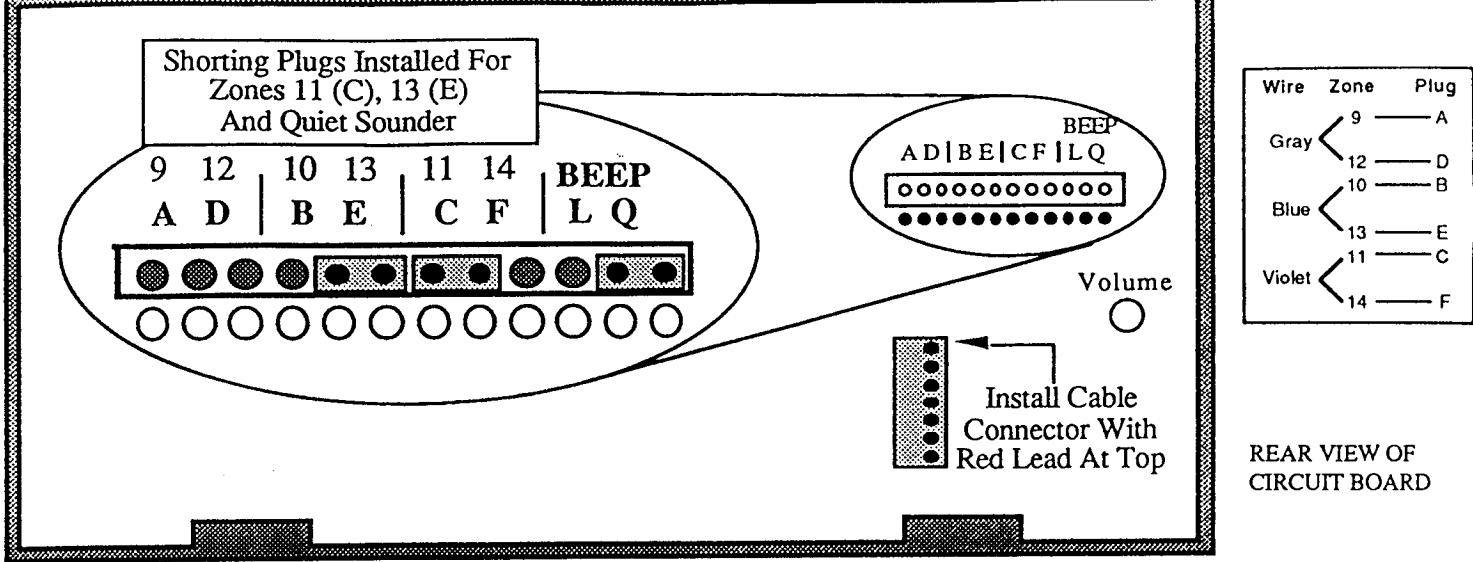
( ) Make all necessary wiring connections to the C306 Connector Cable included with the Control Station. (For DS7100 control terminal connections, see the control installation manual 19705.)



( ) After all connections have been made, mate the C306 connector through the rear of the DS7135 circuit board opening onto the male pins with the red wire positioned on top (see page 2 for details).

( ) Install the Shorting Plugs for zone selection and Quiet or Loud sounder. (See page 2 for details.)

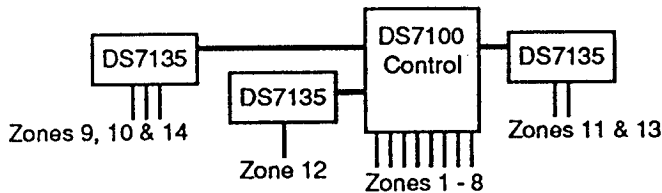
( ) Place the cover onto the base, **and while feeding the excess cable out the rear of the base**, press the cover straight in until the latches on both sides snap.



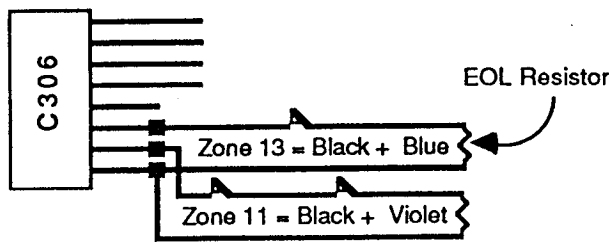
**ZONE WIRING AND INFORMATION:**

A DS7135 may add up to three (3) additional zones to the system. With installation of two or more Control Stations, a maximum of six (6) additional zones may be added. These zones are numbered 9 through 14.

**CAUTION:** A ZONE MAY BE SELECTED IN ONLY ONE DS7135. IF SELECTED IN TWO OR MORE DS7135s, A ZONE ALARM MAY NOT BE TRANSMITTED BACK TO THE CONTROL.



Shown above is a system diagram with all 14 zones installed. The diagram following is the zone wiring for the DS7135 on the right (zones 11 & 13). Shorting plug locations are shown in the drawing at the top of the page.



**NOTE 1:** DS7100 controls are shipped with all control station zones disabled (in Programs 24 through 29, Data Digit 4 = 9). This means EOL resistors need not be connected across unused control station zones.

**NOTE 2:** Wiring for activated control station zones *must* terminate in a 2.21K ohm, EOL resistor (supplied).

**NOTE 3:** While control station zones may be activated by control programming, they must also be selected using a shorting plug. Unselected zones will not respond even if programmed active in the control

**LOUD/QUIET OPERATION:**

If the control station's Loud/Quiet Shorting Plug is in the *Loud* position, all system keypad entries and error code beeps will be heard regardless of which control station is being used. If in the *Quiet* position, only the key press and error code beeps for this control station will be heard. Normally keypads should be programmed in the Loud position. *If the Fire zone is in use, at least one keypad in the system must be set on maximum volume and programmed Loud so fire trouble beeps will be heard.*

However, in the event of an alarm, all control station sounders will mimic the system siren output (continuous or pulse) regardless of the position of the jumper.

In the event the shorting plug is not used, the sounder will default (revert) to the Loud setting.

**VOLUME CONTROL:**

The beeper volume can be controlled by a screw driver adjustable control (pot) at the right edge of the printed circuit board. Turning the control clockwise increases the volume and counter clockwise decreases the volume. If the control is turned all the way counter clockwise the beeper becomes silent. *If the Fire zone is in use, at least one keypad in the system must be set on maximum volume and programmed Loud so fire trouble beeps will be heard.*

**PROMPT CARDS**

The last three cards are duplicated for residential and commercial modes of operation. After determining the mode of operation in use in this system the extra three cards (referencing the unused mode of operation) should be removed.

**USE WITH OTHER CABLES:**

In addition to the C306 cable supplied with the DS7135, the following optional cable may also be used:

**C-304** An optional 3 ft. long, 4-wire cable terminated with a 14-position connector at one end, and an 8 wide connector at the other. Allows direct connection of a portable DS7135 Control Station to the control unit's Special Function Connector for use as a temporary station for test and programming.