

Sounder Installation Instructions

Introduction

Both of the Cartell control units can operate up to twelve sounders. All our sounders mount in a single-gang electrical box for flush mounting. All connections are made to a screw terminal on the back of the sounder's circuit board. We suggest you use CAT-5 wire. Solder-tin the ends of the wires before connecting to the sounder and control unit to avoid corrosion. After you have run cable from the control unit to the sounder, always connect the wire to the sounder first and then to the control unit.

Note: After connecting wires to the sounder, and before connecting the sounder to the control unit, measure the resistance between the colored wire you choose to connect to the sonalert and the colored wire you choose to connect to ground. The resistance should never be less than 75 ohms total. Resistance less than 75 ohms shows damage to the wire between the control unit and sounder (e.g., a staple through the wire) and will damage the power supply.

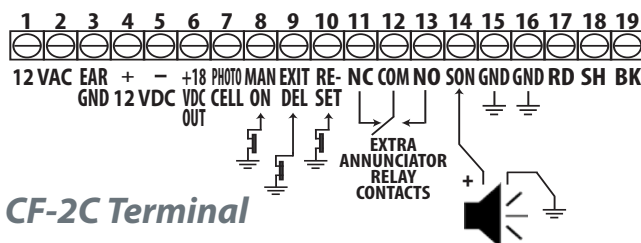
CT-A1 Installation Instructions

Refer to the introduction above. First make the connections at the CT-A1 plate and then to the control unit as follows:

- Connect one colored wire to the terminal marked "G." At the control unit, test the resistance as noted above. Then proceed to connect this wire to terminal 8 (CT-2B) or to terminal 15 (CF-2C).
- Connect another colored wire to the terminal marked "S" (for steady tone) or "P1" (for pulsating fast tone) or "P2" (for pulsating slow tone). At the control unit, test the resistance as noted above. Then proceed to connect this wire to terminal 9 (CT-2B) or to terminal 14 (CF-2C).
- Connect a third colored wire to the terminal marked "V." At the control unit, this wire should be connected to terminal 3 (CT-2B) or to terminal 6 (CF-2C).

If you are using a CF-2C control unit, three more connections should be made:

- Connect a colored wire to the terminal marked "E" on the CT-A1 to terminal 9 on the CF-2C.
- Connect a colored wire to the terminal marked "R" on the CT-A1 to terminal 10 on the CF-2C.
- Connect a colored wire to the terminal marked "M" on the CT-A1 to terminal 8 on the CF-2C.



Note: all three sounders work with both the CF-2C and CT-2B control units

CT-11 Installation Instructions

Refer to the introduction. First make the connections at the CT-11 plate and then to the control unit as follows:

- Connect one colored wire to the terminal marked "-". At the control unit, test the resistance as noted above. Then proceed to connect this wire to terminal 8 (CT-2B) or to terminal 15 (CF-2C).
- Connect another colored wire to the terminal marked "+". At the control unit, test the resistance as noted above. Then proceed to connect this wire to terminal 9 (CT-2B) or to terminal 14 (CF-2C).

AA-1 Installation Instructions

The AA-1 works with any security or home automation panel and with Cartell's two control units (CT-2B and CF-2C).

Refer to the introduction. First make the connections at the AA-1 plate and then to the security (or other) panel. The AA-1 requires two wires, one for power positive, the other for power negative. Connect power positive from security panel to the terminal marked SON on the AA-1. Connect power negative from the security panel to the terminal marked GND on the AA-1. Test resistance positive to negative as described in the introduction and finish by connecting wires to the security panel per the installation instructions provided with said system.

When used with the Cartell control units, first make the connections at the AA-1 plate and then to Cartell's control units as follows:

- Connect one colored wire to the terminal marked "GND" on the AA-1. At the control unit, test the resistance as noted in the introduction. Then proceed to connect this wire to terminal 8 (CT-2B) or to terminal 15 (CF-2C).
- Connect another colored wire to the terminal marked "SON" on the AA-1. At the control unit, test the resistance as noted in the introduction. Then proceed to connect this wire to terminal 9 (CT-2B) or to terminal 14 (CF-2C).

