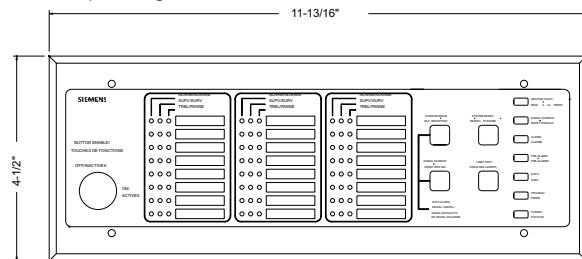


INSTALLATION INSTRUCTIONS Model FS-RA-C REMOTE LED ANNUNCIATOR

The FS-RA-C Remote LED Annunciator is an optional accessory for the FS-250C Fire Alarm System Control Panel. The FS-RA-C provides alarm, trouble and supervisory annunciation for up to 20 zones and 4 NAC circuits along with seven system status LEDs. The enable keyswitch allows system reset, trouble silence/acknowledge and alarm silence. The lamp test operation is also enabled by the keyswitch, but the function is limited to the annunciator. The annunciator mounts to a horizontally mounted 6-gang box, 2" deep minimum. The RD-CAB-C may be used for surface mounting. Up to fifteen FS-RA-Cs or FS-RD2-Cs may be connected to the system.

PARTS SUPPLIED

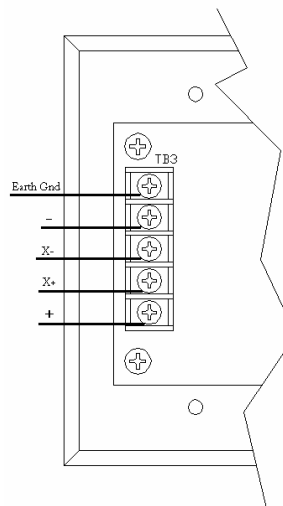
- 1 FS-RA-C Remote Annunciator
- 4 Mounting Screws
- 1 Instruction Sheet
- 1 Operating Instructions



FS-RA-C DIMENSIONS

Cable for power (+ & -) and twisted pair cable for data (X+ & X-) from panel or previous remote and to next remote or 120 ohm termination resistor on the last remote.

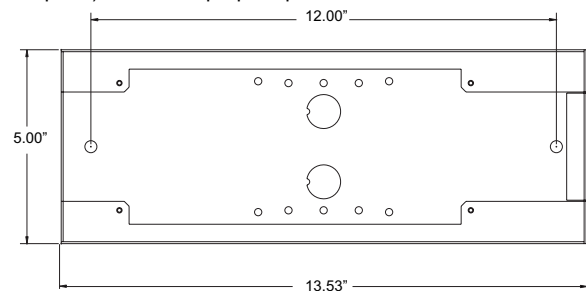
The FS-250C control panel can supply enough current to support up to one FS-RA-C. If more than one is required, power may be supplied by a PAD-3 or other ULC listed 24V power supply. Refer to FS-250C System Power Requirements section of FS-250C Manual, P/N 315-049589C.



FS-RA-C WIRING

Power Limited and Supervised

- Step 1.) Installation is to be done by qualified personnel who have thoroughly read and understood this instruction sheet.
- Step 2.) Disconnect BATTERY and AC prior to working on equipment.
- Step 3.) Mount 6-gang backbox horizontally as required.
- Step 4.) Set dip switch for proper remote address (1- 15).
- Step 5.) Attach conduit and run wires as required.
- Step 6.) Connect IN wires from fire alarm system control unit or previous remote as required.
- Step 7.) Connect OUT wires to next remote or 120 ohm terminating resistor (P/N 140-820350), if last remote.
- Step 8.) Attach unit to backbox, using four mounting screws. Refer to the RD-CAB-C Installation Instructions, P/N 315-049640C.
- Step 9.) Apply power to system.
- Step 10.) Check for proper operation of functions.

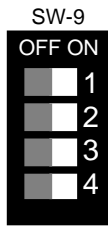


RD-CAB-C DIMENSIONS

Notes:

- 1.) Units to be installed in accordance with all local codes.
- 2.) T-Tapping is not allowed! Communication wiring must be daisy chained from remote to remote.
- 3.) Terminal block will accept a maximum of 12 AWG wiring and minimum of 18 AWG.
- 4.) Use twisted pair cable with a characteristic impedance of approximately 120 ohms. 4000 feet maximum distance from panel to last remote.

The following table shows the dip switch settings for proper addressing of the FS-RA-C remotes.



Address	Switch 1	Switch 2	Switch 3	Switch 4
1	On	On	On	On
2	Off	On	On	On
3	On	Off	On	On
4	Off	Off	On	On
5	On	On	Off	On
6	Off	On	Off	On
7	On	Off	Off	On
8	Off	Off	Off	On
9	On	On	On	Off
10	Off	On	On	Off
11	On	Off	On	Off
12	Off	Off	On	Off
13	On	On	Off	Off
14	Off	On	Off	Off
15	On	Off	Off	Off
16	Off	Off	Off	Off

The following table gives the currents necessary for power supply and battery calculations.

Model	Input Voltage Type & Designation	Input Current		Frequency	Ripple Voltage
		Normal Standby	Maximum (Alarm)		
FS-RA-C	24 V DC	0.030 A	0.100 A	N/A	N/A