

SC8-ADTX Manual

7/11/22

The Radio Fire Alarm Box consists of radio transmitter/antenna and digital control components. The SC8-ADTX Radio Transmitter is an integral component of the Radio Fire Alarm Box system.

Please see the following statements regarding the installation and operation of the SC8-ADTX transmitter, the Fire Alarm Box components, and the system antenna:

1. The Radio Fire Alarm System, including the SC8-ADTX Radio Transmitter and antenna are not to be modified by any party not authorized by the manufacturer of the equipment. Any changes or modifications to any components in the system could void the user's authority to operate the equipment. Please contact Signal Communications corporation about system modifications.
2. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Please contact Signal Communications for technical support.

Warning: The radio antenna used for this system must be installed to provide a minimum distance of 25.55cm from all persons.

The SC8-ADTX Radio Transmitter is an integral component of the Radio Fire Alarm Box system.

No field repairs or adjustments are allowed by the end user. A factory technician is the only person allowed to service the Radio Fire Alarm Box. If it is decided that the SC8-ADTX Radio Transmitter is not operating properly, replace the transmitter as follows.

- Completely power down the Fire Radio Alarm Box
- Loosen but do not remove the 2 screws securing the SC8-ADTX transmitter to the backplate
- Slide the transmitter sideways to remove it from the backplate.
- Disconnect the Antenna cable connector from the transmitter
- Disconnect the Power/Signal connector from the transmitter
- Install a new transmitter which is factory programmed to the same channel frequency
- Connect the Antenna cable to the new transmitter through an In-Line Wattmeter with a 2.5 Watt element rated for 72-76 MHz.
- Connect the Power/Signal connectors to the new transmitter
- Place the new transmitter onto the backplate by sliding the mounting tabs under the screws and tighten the screws to secure the new transmitter to the backplate
- Power the Radio Fire Alarm Box and verify that the transmitter is working properly by reading 1W RF power burst 1 second in duration (repeated twice)
- After verifying proper operation, disconnect the In-Line Wattmeter and connect the antenna cable directly to the SC8-ADTX transmitter.