



ANT-200 Supervised Life Safety Antenna Module

Features

- ▶ Supervised Life Safety Antenna
- ▶ Dipole Antenna 406 - 512 MHz
- ▶ Addressable Antenna
- ▶ Polling Status LED

Application

The Firecom ANT-200 Supervised Life Safety Antenna consists of an antenna with an integral Firecom supervision module. This module provides for supervision of the ARCS wall mounted antenna. Combined with the Firecom system supervisory motherboard installed in the RPT-1 Repeater Cabinet, the Firecom ARCS 2000 Auxiliary Radio Communication System can provide individual antenna status for the entire system including the coax cable.

The Firecom supervision module, when used with wall or ceiling antennas, provides each antenna a unique address which allows identification of an antenna disconnection. When one or more antennas becomes disconnected from the coax cable, each antenna will be recognized as missing and annunciated on the LCD display of the OC-1 Operators Console. This reporting will occur whether the system is active or in standby (off) mode.

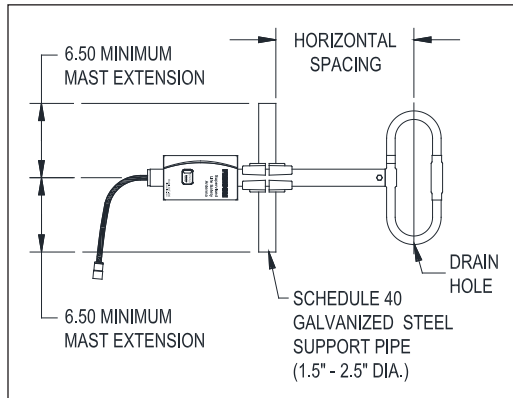
For visual field verification, the ANT-200 contains a multi-color LED which flashes every 8-10 seconds in the Status window on the device, validating connection to the RPT-1 Repeater Cabinet. The supervision module is designed to be integral to the antenna.

PATENT PENDING

Engineering Specification

The Firecom ANT-200 Supervised Life Safety Antenna is a single element dipole antenna with a 2.5 foot harness for optimum performance in the 406 - 512 MHz frequency range. The antenna horizontal pattern is field adjustable, for any current or future coverage requirements. The wide bandwidth and high efficiency of this antenna makes it ideal for public safety.

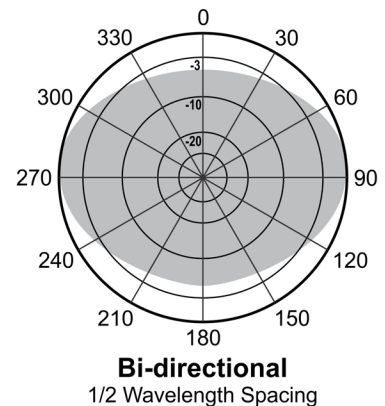
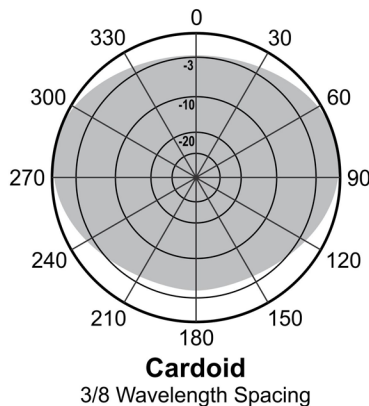
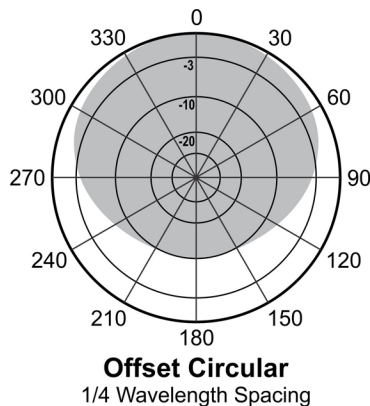
The ANT-200 antenna is individually addressed and polled in a Firecom ARCS 2000 Auxiliary Radio Communication System, which allows unique identification of an antenna disconnection. The ARCS 2000 system maintains a list of antennas installed in the building. When one or more antennas becomes disconnected from the coax cable wiring, each antenna will be recognized as missing and announced on the LCD display of the OC-1 Operator Console. This supervision occurs whether the system is active or in standby (Off) mode.



The exposed dipole is field adjustable to provide different horizontal patterns and gain values. The horizontal spacing from the dipole antenna and the support mast controls this adjustment.

The antenna includes a heavy-duty custom clamp set for mounting the antenna to a 1.5" to 2.5" diameter galvanized steel support pipe (provided separately).

Horizontal Radiation Patterns



Specifications

Frequency (continuous)	406-512 MHz	Gain (dependent on pattern)	1-2.5dBd
Power rating (typ.)	500 watts	Vertical beamwidth (3/8 wl.)	71°
Impedance	50 ohms	Dimensions	26" x 12 in.
Pattern Adjustable	Offset Circular, Cardioid or Bidirectional	Weight (antenna + clamps)	6 lbs
		Termination	N-Male

Ordering Information

Model No.	Part No.	Description
ANT-200	78143	Supervised Life Safety Antenna

It is our intention to keep the product information up to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information contact: FIRECOM, INC.

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2 of 2