

Activator



Description

The Activator is the cornerstone of the ActiveTag control point architecture. The Activator is a stand-alone transmitter that connects directly to an application-specific antenna to provide a low frequency activation signal that awakens tags as they pass through the antenna's field. The Activator writes its location ID to the tag, which is then re-transmitted, along with the tag's unique ID, to provide the tag's precise location at the time of activation. By adjusting the power output on the Activator, the activation area can be expanded or reduced, thus creating control points from a few feet in diameter to tens of feet across.

The Activator can be configured with its own user-defined location ID via serial port (using a PC or terminal communications device) or manually via jumpers. The unit installs easily and offers flexible coverage for perimeter doors, interior zones, vehicle lanes and other control points throughout the facility.

Features

Control Point Architecture - limits tag activation to specific user-defined points or zones for tracking and control

Adjustable Power - activation zone can be sized using a simple turning tool with exterior LED power-level indicators

Signal Penetration - low frequency signal penetrates briefcases, luggage, clothing, people and virtually all non-metallic building materials

Flexible Installation - connects directly to a wide variety of application-specific antennas at distances up to 50 feet away

Specifications

Name	ActiveTag™ Activator	ActiveTag™ Dual Activator
Part Number	AT-132-AT	AT-132-AT-D
Operating Frequency	126 kHz	126 kHz
Tag Wake-Up Range	Up to 100 feet	Up to 100 feet
Multi-Tag Read	Yes	Yes
Antenna Connections	BNC Connector	2 BNC Connectors
Communications Interface	Jumper Configurable RS-232 Serial DB9-female	Jumper Configurable RS-232 Serial DB9-female
Power Source	24 volts DC @ 1 AMP	24 volts DC @ 1 AMP
Operating Temperature	-40°C to +85°C (-40°F to +185°F)	-40°C to +85°C (-40°F to +185°F)
Dimensions (approximate)	1.5 in x 3.5 in x 6.5 in	1.5 in x 3.5 in x 6.5 in and 1 in x 2.2 in x 3.3 in
Weight (approximate)	12 ounces	12 ounces and 4 ounces

*Operating Range depends on antenna selection, environmental factors and operational requirements. Range in excess of 50 feet is achievable with custom antenna designs.

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