

DATA SHEET

Arial® ES Repeater/ Locator

Wirelessly extends coverage of an
Arial emergency call system



Product Highlights

- **Wireless operation** – Only power is required
- **Easy installation** – Just mount and plug it in
- **Battery back-up** – For up to 24 hours depending on usage
- **Fully supervised** – For tamper, low battery, and power loss
- **Supports resident locating for pendants** (Model 54321 only)



Description

The Arial ES Repeater/Locator is a wireless device used to extend coverage of an Arial system. The Repeater receives and decodes signals from Arial transmitters and then re-transmits them to the Arial receiver.

The Repeater supports pendants, wall stations, smoke detectors, PIR sensors, door alarms, and any other Arial EchoStream® transmitter.

The Repeater allows an Arial installation to scale up as coverage needs grow, or to ensure reception in difficult environments. It can also be used for resident locating when integrated with Arial software (54321 and 54326).

An on-board lithium-ion battery provides up to 24 hours of continuous operation if line power is disrupted.

The Repeater is fully supervised, and reports loss of power, low battery, and case and back tamper.

Technical Specifications

Part Numbers	54321, 54326 and 14321
Input Frequency	900 MHz, with diversity reception
Output Frequency	900 MHz spread spectrum
Power	12-16.5 VDC
Battery Back-up	Lithium-ion (up to 24 hrs, depending on usage)
Dimensions (W x H x D)	6.5 x 3.5 x 1" (16.5 x 8.9 x 2.54 cm)
Weight	7.75 oz. (220 g)
Operating Temperature	-4 to 140 F (-20 to 60 C)
Humidity	Up to 90% relative humidity (non-condensing)
Mounting	Latching with optional screws for high-security installations
Operation Mode	Direct Messaging (Models 54321 and 54326) Broadcast (Model 14321)



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