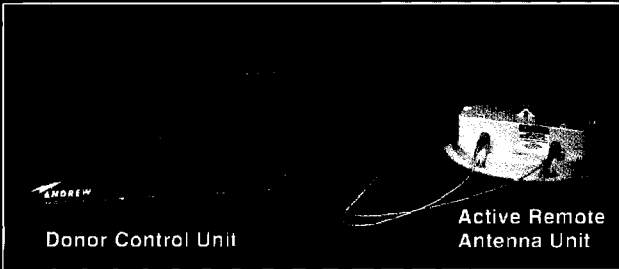
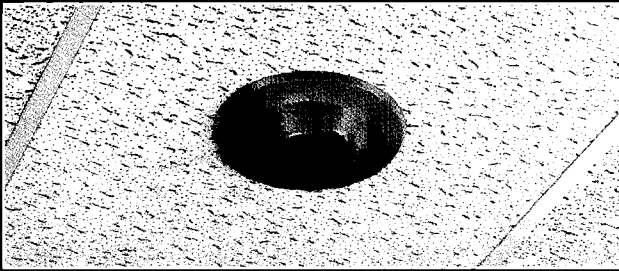


Wireless RF Active Products



Donor Control Unit

Active Remote
Antenna Unit

Specifications

Donor Control Unit

Operating Frequency	824-894 MHz
RF Input per channel	+10 dBm
Max. number of Channels	20
Max. composite RF Input	+23 dBm
RF Output per Signal	-100 to -45 dBm
Output carrier to noise	55 dBc min.
Operating Voltage	+19 to +30Vdc
Height	1.7 inches
Width	19 inches
Depth	4.75 inches
Weight	2 lb, 8oz
Operating Temperature	32° to 140° F

Active Remote Antenna Unit

Operating Frequency	824-894 MHz
RF Output per channel	+10 dBm
Max. number of Channels	20
Max. composite RF Output	+23 dBm
RF Input per Signal	-100 to -45 dBm
Output carrier to noise	55 dBc min.
Output - carrier to intermod	43 dBc min.
Operating Voltage	+19 to +30Vdc
Height	4.25 inches
Diameter	8.5 inches
Weight	2 lb, 6oz
Operating Temperature	32° to 140° F

Ordering Information

Type Number	Description
621034-1	Active Remote Antenna Unit (direct feed)
621034-2	Active Remote Antenna Unit (local transformer)
621033-1	Donor Control Unit (10 dBm maximum input)
621033-2	Donor Control Unit with 10 dB attenuator pad (20 dBm maximum input)
242755-10	Composite Optical Fiber cable with integrated 18-gauge wires with connectors (RISER)
242756-10	Composite Optical Fiber cable with integrated 18-gauge wires with connectors (PLENUM)
242761-1	Duplex Optical Fiber Cable (PLENUM) with connectors
621032-2	24 Volt dc Power Transformer

The Illuminator™

Fiber Optic - Active Antenna System for AMPS Cellular Applications

The Illuminator™ fiber-fed active indoor antenna system from Andrew Corporation provides the ultimate solution in improved cellular coverage. This product is specifically designed to deliver high quality RF signals inside open buildings, such as convention centers, malls, underground tunnels, and throughout multistoried office complexes.

Donor Control Unit

The Donor Control Unit provides the physical interface between the wireless central office equipment and the Active Remote Antenna Unit.

Active Remote Antenna Unit

The Active Remote Antenna Unit delivers enhanced cellular signals to the remote areas of a building or facility for improved communications and increased profits. The low profile design makes this a very attractive product in a high visibility area.

Fiber Optic Distribution

The Illuminator™ system connects the Donor Control Unit with its Active Remote Antenna over a fiber optic cable link. An Active Remote Antenna can be located more than a mile from the Donor Control Unit (when the local power option is used).

Power for the Active Remote Antenna can be delivered along with the fiber cable when installed with the Andrew special Composite Optical Fiber Cable (Type No. 242755-10). This special fiber/copper combination saves the customer both time and money.

Multiple Channel - Full Duplex Operation

Up to 20 digital or analog cellular channels can be in-use simultaneously at each Active Remote Antenna location.

Self Diagnostics

Integrated loopback alarm with RF pilot tone for easy detection of outages. Provides alarm outputs for direct interface to remote monitoring systems.