

RFC1000

WIRELESS RF RECEIVER AND REPEATER



Features

- Functions as Both a Repeater and a Receiver
- Green and Red LED Indicators
- Compatible with MadgeTech's RFOT and Therm•A•lert Systems

Applications

- General Wireless Data Logging
- Meat Cooking and Cooling
- Meat Storage
- Smoke Houses
- Food Processing
- Medical Storage
- Laboratory Monitoring
- Blood Banks
- Hospitals
- Warehouses

MadgeTech's new RFC1000 is a powerful wireless receiver for use with RFOT and Therm•A•lert data loggers. The RFC1000 transmits to other RFC1000s up to 4000 feet outdoors/line of sight, 1000 feet typical indoors/urban. The RFC1000 transmits to data loggers up to 2000 feet outdoors/line of sight, 500 feet typical indoors/urban. Additional RFC1000s can be used as repeaters to transmit greater distances.

The RFC1000 is designed to communicate between MadgeTech's two-way wireless data loggers and the MadgeTech software and can connect to a maximum of 64 data loggers. Through the use of the software and the RFC1000s, remote data loggers can be started, stopped and downloaded wirelessly. This time saving feature streamlines processes for maximum efficiency.

This new RFC1000 also includes an external antenna, allowing more flexibility with mounting positions in both orientation and proximity to metal walls. This may be used as a repeater, or directly plugged into the PC.



RFC1000 SPECIFICATIONS*

Materials:	Enclosure: ABS Plastic Cable: PVC
Compatible Data Loggers:	RFOT, Therm•A•lert Series, 2000A Series
Transmission Distance (to data loggers)	<ul style="list-style-type: none"> • RFC1000, RFC1000-CE & RFC1000-IP69K 2,000 ft max. outdoors - line of sight unobstructed 500 ft max. indoors - typical urban environment
Transmission Distance (to other RFC1000's)	<ul style="list-style-type: none"> • RFC1000 4,000 ft max. outdoors - line of sight unobstructed 1,000 ft max. indoors - typical urban environment • RFC1000-CE 2,500 ft max. outdoors - line of sight unobstructed 700 ft max. indoors - typical urban environment • RFC1000-IP69K 4,000 ft max. outdoors - line of sight unobstructed 1,000 ft max. indoors - typical urban environment

RFC1000 Sensitivity:	-95 dBm Typical
Operating Environment:	<ul style="list-style-type: none"> • Enclosure: -20 °C to 80 °C (-4 °F to +176 °F) • Power Supply: 0 °C to 45 °C (32 °F to +113 °F)
Dimensions:	3.26 in x 2.3 in x 0.81 in (83 mm x 59 mm x 21 mm)
Weight:	5.5 oz (156 g)
Approvals:	US (FCC), CA (IC)

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY.

ORDERING INFORMATION

MODEL	DESCRIPTION
RFC1000	Wireless RF transceiver/repeater. USB to mini USB adapter & power supply included.

Countries approved for use, purchase and distribution of the RFC1000:

USA, Canada, Chile, Colombia, Ecuador, Honduras, India, Malaysia, Mexico, Peru, Singapore, South Africa, Thailand, Venezuela, Vietnam