RFC1000-CE
WIRELESS RF RECEIVER AND REPEATER

MADGETECH
WE BUILD DATA LOGGERS

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-CE is a powerful wireless receiver for use with the RFOT, Therm•A•lert and RF2000A Series of data loggers and is CE approved for the European market. The RFC1000-CE transmits to other RFC1000-CEs up to 2500 feet outdoors/line of sight, 700 feet typical indoors/urban. The RFC1000-CE transmits to data loggers up to 2000 feet outdoors/line of sight, 500 feet typical indoors/urban. Additional RFC1000-CEs can be used as repeaters to transmit greater distances.

The RFC1000-CE 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 RFC1000-CEs, remote data loggers can be started, stopped and downloaded wirelessly. This time saving feature streamlines processes for maximum efficiency.

This new RFC1000-CE 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-CE SPECIFICATIONS*

Interface Type	USB (to PC) / Wireless (to Data Logger)
Operating Environment	-20 °C to +85 °C, 0 %RH to 95 %RH non-condensing
Enclosure Materials	ABS Plastic (body), PVC Plastic (antenna)
Dimensions	Enclosure: 3.8 in x 1.6 in x 0.8 in Antenna: 2.7 in
Weight	1.4 oz (40 g)
Compatible Data Loggers:	RFOT, Therm•A•lert, Therm•A•lert-P, Therm•A•lert-RH, Therm•A•lert-GB, RF2000A Series

Approvals	FCC ID: OA3MRF24J40MC, IC#: 7693A-24J40MC, CE, ETSI 300 328 (EU R&TTE)
Transmission Distance (To other RFC1000-CE's)	2,500 ft max. outdoors - line of sight unobstructed 700 ft max. indoors - typical urban environment
Transmission Distance (To data loggers)	2,000 ft max. outdoors - line of sight unobstructed 500 ft max. indoors - typical urban
Sensitivity	-95 dBm Typical
Frequency	2.405 GHz - 2.475 GHz

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

ORDERING INFORMATION

MODEL	DESCRIPTION	
RFC1000-CE	Wireless RF transceiver/repeater, CE approved for Europe. USB to mini USB adapter & power supply included.	
To transmit greater distances, additional RFC1000-CEs can be used as repeaters.		

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

Australia, Austria, Belgium, Bulgaria, Canada, Chile, China, Columbia, Croatia, Cyprus, Czech Republic, Denmark, Ecuador, Estonia, Finland, France, Germany, Greece, Honduras, Hungary, Iceland, Ireland, Israel, Japan, Latvia, Liechtenstein, Lithuania, Luxembourg, Malaysia, Malta, Mexico, New Zealand, Norway, Peru, Poland, Portugal, Romania, Saudi Arabia, Singapore, Slovakia, Slovenia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, The Netherlands, Turkey, United Kingdom, United States, Venezuela, Vietnam