

RFC1000-IP69K

WIRELESS RF TRANSCEIVER AND REPEATER



Features

- Functions as Both a Repeater and a Transceiver
- Green and Red LED Indicators
- Compatible with MadgeTech's RFOT, Therm•A•lert and RF2000A Series of Data Loggers

Applications

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

For environments that require high pressure, high temperature wash down, MadgeTech has designed the RFC1000-IP69K. This new splash-proof transceiver can be installed directly in the wash down location, ensuring 100% communication throughout the entire process. MadgeTech has gone through extensive testing to ensure that the new RFC1000-IP69K can withstand wash down cycles using caustic chemicals, making it ideal for harsh environments. This model includes a high powered transceiver with an IP69K ingress protection rating. The RFC1000-IP69K has a substantial transmit range, providing better performance in occluded environments such as ovens and refrigerators. The RFC1000-IP69K also includes an external antenna which is protected by a neoprene boot, allowing more flexibility with mounting positions in both orientation and proximity to metal walls.

The RFC1000-IP69K 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-IP69Ks, remote data loggers can be started, stopped and downloaded wirelessly. This time saving feature streamlines processes for maximum efficiency.



RFC1000-IP69K SPECIFICATIONS*

Materials:	<ul style="list-style-type: none"> • Enclosure Body: Acetal Plastic • Cover: 300 Series Stainless Steel • Antenna Boot: Neoprene
Compatible Data Loggers:	RFOT, Therm•A•lert, RF2000A Series
Outdoor Line of Sight:	4000 ft (to repeaters), 2000 ft (to loggers)
Indoor Line of Site:	1000 ft (to repeaters), 500 ft (to loggers)
Frequency:	2.405 GHz - 2.475 GHz

The power supply of the RFC1000-IP69K is not rated as splash proof. Exposing the power supply to moisture will potentially damage the unit. Additional precautions should be taken by the user if the power supply will be exposed to a condensing environment.

Operating Environment:	Enclosure: -20 °C to 80 °C (-4 °F to +176 °F) Power Supply: 0 °C to 45 °C (32 °F to +113 °F)
Dimensions:	Enclosure 3.4 in x 2.9 in x 1.3 in With antenna, normal to case: 3.4 in x 2.9 in x 8.8 in With antenna, laid down: 9.2 in x 2.9 in x 2.6 in
Weight:	14.1 oz (400 g)
Ingress Protection:	IP69K
RH Operating Range:	0-100%

ORDERING INFORMATION

MODEL	DESCRIPTION
RFC1000-IP69K	Splash proof, IP69K rated Wireless RF Transceiver for use with Madgetech 4 Software. USB to mini USB adapter included to connect to a Windows PC.

To transmit greater distances, additional RFC1000-IP69Ks can be used as repeaters.

Countries approved for use, purchase and distribution of the RFC1000-IP69K:

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