

RFC1000-IP69K

Wireless RF Receiver and Repeater

For environments that require high pressure, high temperature wash down, MadgeTech has designed the RFC1000-IP69K. This 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 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.

SPECIFICATIONS

Specifications are subject to change without notice. Specific warranty remedy limitations apply. Call (603) 456-2011 or go to madgetech.com for details.

Materials	Enclosure Body: Acetal Plastic Cover: 300 Series Stainless Steel Antenna Boot: Neoprene
Compatible Data Loggers	RFOT and 2000A Series
Transmission Distance (to data loggers)	Unobstructed line-of-sight (outdoors): 2,000 ft max. Typical urban environment (indoors): 500 ft max.
Transmission Distance (to other RFC1000-IP69K's)	Unobstructed line-of-sight (outdoors): 4,000 ft max. Typical urban environment (indoors): 1,000 ft max.
Frequency	2.405 GHz - 2.475 GHz
Operating Environment	Enclosure: -20 °C to 80 °C (-4 °F to +176 °F), 0 %RH to 100 %RH non-condensing Power Supply: 0 °C to 45 °C (32 °F to +113 °F), 0 %RH to 100 %RH non-condensing
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
IP Rating	IP69K
Weight	14.1 oz (400 g)
Approvals	US (FCC), CA (IC)

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Features

- Functions as Both a Repeater and a Receiver
- Green and Red LED Indicators
- Compatible with MadgeTech's RFOT and 2000A Series 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

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.



Ordering Information

RFC1000-IP69K	PN 901389-00	Splash proof, IP69K rated wireless RF transceiver/repeater. USB to mini USB adapter and power supply included.
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