

EM4003

Repeater RF

Technical description

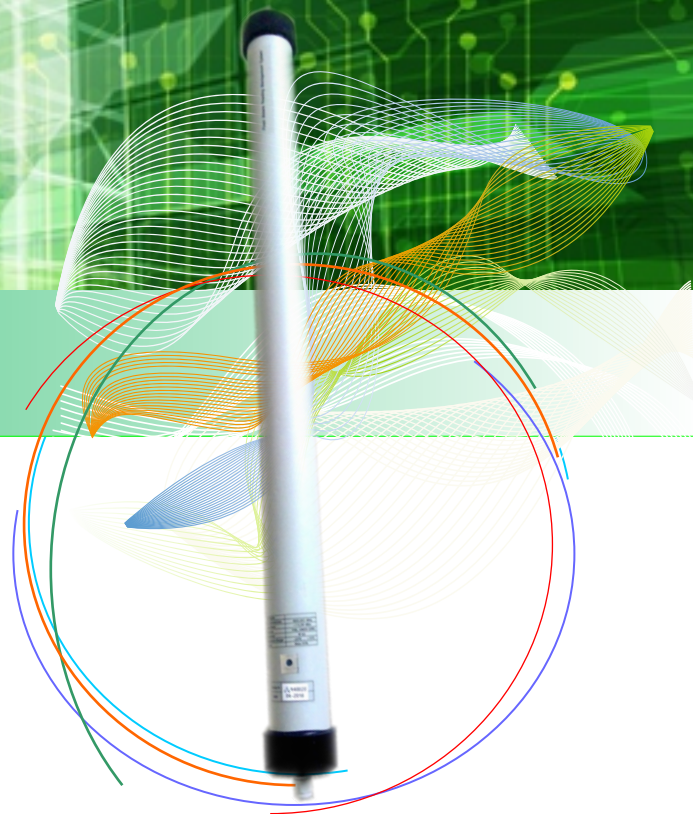
The Repeater RF is designed to extend the radio reception range of GateWay concentrators in automated data collection systems. The device receives data via radio from transmitting modules connected to measuring instruments and equipment, and forwards it to a remote GateWay concentrator, ensuring reliable long-distance communication, including in challenging urban environments.

Repeater RF devices are equipped with built-in power supplies operating from a 110/220 VAC mains source.

Technical specifications:

Description	Repeater RF EM4003
Box size	700x50x50 mm
Unit Weight	2,4 kg
Power Supply	110/220VAC
RF Transmit Bitrate	10.0 kbps
Frequencies	RF - FSK 433/868/900 MHz, 10/25 mW (optional)
Configuration Storage	Non-volatile memory
Operating Temperatures	-40° C to +85° C
Environmental Humidity	IP-68 Max. 95%

Power connection and indication:



Every 15 minutes, the device transmits information via radio about its internal temperature and operational status. This enables centralized monitoring of repeater performance and timely response to potential malfunctions.

