

DESCRIPTION

APPLICATIONS: The Badger® GALAXY® Gateway Receiver receives and forwards water meter consumption and exception data from surrounding Badger GALAXY meter endpoints. The data is available to the central system computer via a Cellular, LAN, or Wi-Fi (802.11 b/g) backhaul.

OPERATION – ANTENNA: The Badger GALAXY antenna features an “active diversity” design that optimizes radio signal reception. The antenna assembly consists of two electrically separate antennas. The antennas constantly scan for endpoint signals and automatically lock on with the optimal antenna.

OPERATION – RECEIVER: The Badger GALAXY Gateway Receiver collects meter account data from the antennas in analog form for up to 8,000 endpoints. Transmissions are converted into a digital data stream, verified for authenticity and completeness, and then sent via the network backhaul to the utility central office computer or hosted server. Mounting of the receiver on the antenna minimizes analog signal interference or loss. Surge protection circuitry is built in.

OPERATION – METER DATA MANAGEMENT SOFTWARE (MDMS): The Badger GALAXY MDMS receives metering data in a digital stream from the receiver. The information is stored in a database on the utility computer. The software offers an easy-to-use Windows®-based platform.

INSTALLATION

The Gateway Receiver's light and compact design makes installation of the system easy for the utility. Mounting hardware is included to accommodate a 1-1/4" to 2-1/2" outside diameter pole mounting.

FCC COMPLIANCE

This product complies with Part 90 of the Federal Communications Commission Rules. A FCC license is required for operation of the Badger GALAXY system.

DATA BACKHAUL OPTIONS

GPRS Cellular, Wi-Fi (802.11b/g), and LAN

SPECIFICATIONS

- Receiver / Antenna:

Min. Temperature: -30°F
Max. Temperature: +140°F

- Weight: 6.5 lbs.

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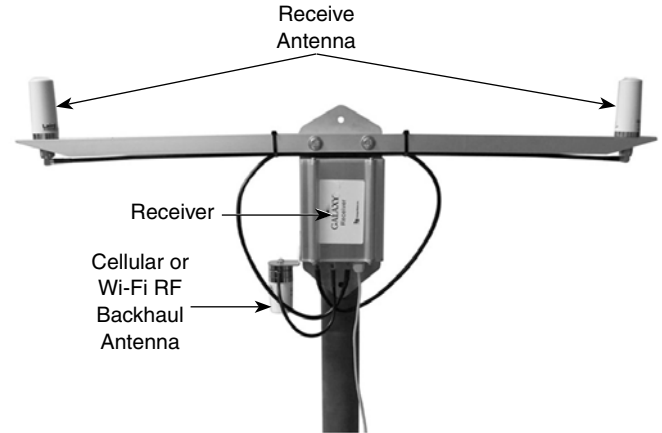


Figure 1. Receiver/Antenna Assembly

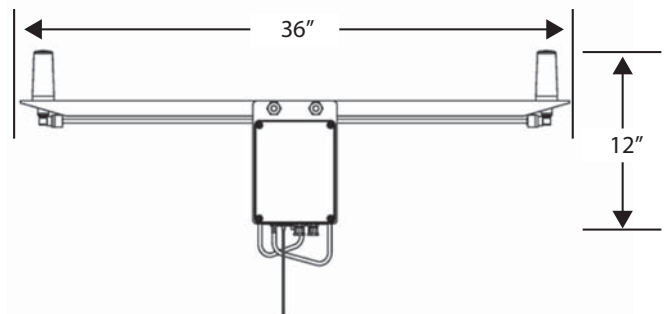


Figure 2. GALAXY Receiver Dimensions

GXY-T-08

6-10



Please see our website at
www.badgermeter.com
for specific contacts.

Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists.



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