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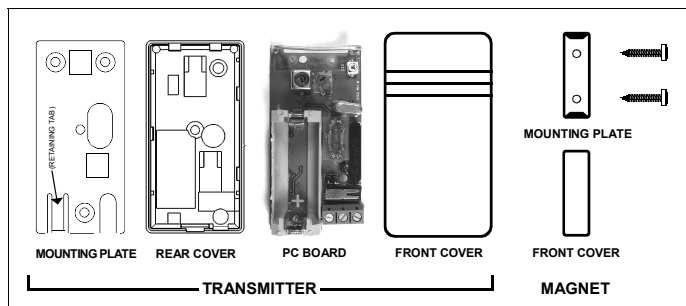
GEMC-WL-WD2

Commercial / Residential Window / Door Transmitter with Rear Tamper DATA SHEET

WI1904 09/10

GENERAL DESCRIPTION

The GEMC-WL-WD2 is a 2-point window/door transmitter designed for use in Napco Gemini C-Series wireless systems, and with Napco's GEMC-RECV series wireless receivers (see WI1682). When used with the supplied magnet, the transmitter functions as a window/door sensor. Terminals are provided for supervised external contacts so that one or more additional contacts



GEMC-WL-WD2 Component Parts

may be used in conjunction with, or instead of, the internal reed switch. A jumper (J1) allows the use of external contacts (such as UL Listed door/window magnets or ball contacts, fire alarm pull stations, thermal detectors, waterflow tamper switches, etc.), instead of the internal reed switch within the same room (maximum 20' wire length for Burglary installations, maximum 3' wire length for Fire installations*; 22-18AWG) for Fire and Burglary sensors. In addition, the GEMC-WL-WD2 includes a rear tamper to protect against the removal of the transmitter from the wall.

The GEMC-WL-WD2 is powered by a 3-volt lithium battery that will power the transmitter for up to 5 years. When battery voltage drops below normal, a low-battery report will be sent to the receiver (replace battery with a Duracell 3V lithium battery DL123A, Varta/Power-One model CR123A or Panasonic CR123A only; use of another battery may present a risk of fire or explosion).

Each transmitter has a unique factory-programmed code (printed on the battery holder and also on the rear case) that distinguishes itself to the receiver. **(Note:** See control-panel instructions for entering this six-digit hexadecimal code and its checksum digit into the panel; be sure to enter all numbers and/or letters, including leading zeros, if any).

Note: When connected for use with a Fire system, and a fire condition sends a fire alarm signal, this signal will be sent until the condition clears.

SPECIFICATIONS

Electrical Ratings

Input Power: Powered by a 3-volt lithium battery. Two zone inputs.

Loop voltage: 3V nominal

180K End of line resistor part #: EOL180K (for loop 1 only)

Use only one device when used with Fire initiating devices.

Maximum Zone Wiring Length: 20 feet maximum for Burglary installations, 3 feet maximum for Fire installations* (#18-22 AWG)

Maximum Loop Resistance: 300 ohms

Operating Frequency: 319.5Mhz

Maximum Distance from Receiver: Up to 1000 feet, depending on local environment

PHYSICAL

Dimensions (inches): Width: 1½ (38mm) Height: 3¼ (79mm) Depth: 1 (25mm)

AGENCY LISTINGS

- UL365: Police Station Alarm Units
- UL609: Local Burglar Alarm Units and Systems
- UL864 9th Edition: Commercial Fire
- UL985: Household Fire Warning System Units
- UL1023: Household Burglar Alarm System Units
- UL1610: Central Station Burglar Alarm Units
- NFPA 72 National Fire Alarm Code
- Security Industry Association (SIA) False Alarm Reduction Standard CP-01
- CSFM: California State Fire Marshall (Pending)
- FM Approval: (Pending)
- NYCFD: NYC Fire Department (Pending)

ORDERING INFORMATION

GEMC-WL-WD2: Wireless 2 Input Module, suitable for Commercial Fire and/or Burglary applications.

*In Fire installations, leads extending from the GEMC-WL-WD2 located within 7 feet of the floor must be run inside the wall or protected by conduit, etc.