NAPCO | COMMERCIAL
FIREWOLF

Commercial Wireless - F
GEMC-WL-SMK, GEMC-WL
GEMC-WL-WD2

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/06/17

FEATURES:

- 319.5 MHz Frequency
- Smoke Detection
- Heat detection
- Single- or Dual-input monitor modules
- Extended range transmitters
- 5 year battery life (estimated)

DESCRIPTION:

The **GEMC-WL-SMK** is a high-quality photoelectric smoke detector with built-in supervised digitally-coded radio transmitter. It is compatible with Napco's GEMC-RECV supervised receivers that monitor alarms, restores, low battery, tamper and status.
During normal operation, when unit is in standby mode and is within proper sensitivity limits, the green LED on the GEMC-WL-SMK flashes once every 10 seconds. As soon as smoke is detected, the GEMC-WL-SMK sounds a local alarm and the transmitter sends an alarm signal to the supervised receiver (Operating Frequency: 319.5MHz). The alarm signal is repeated as long as smoke is still present. A restore report is sent when the smoke detection chamber clears. Supervision status reports are sent from the GEMC-WL-SMK every hour.

The **GEMC-WL-HEAT** is a high-quality wireless 135°F (57°C) fixed-temperature heat detector with Rate of Rise. It is compatible with Napco's GEM-RECV supervised receivers that monitor alarms, restores, low battery, tamper and status. The GEM-WL-HEAT incorporates circuitry that will transmit an alarm signal upon an alarm condition, generate an hourly supervision test signal to the receiver and also monitor and annunciate low battery. Coding switches are not required or used in the GEMC-WL-HEAT. Each transmitter is assigned a unique identification code number at the factory. The transmitters are powered by one 3V Lithium battery (supplied) that can power the unit for up to two years. If the battery voltage drops below normal, a low-battery report will be sent to the receiver with any status or alarm transmission.

LISTINGS:

- UL864 9th Edition: Commercial Fire
- UL985: Household Fire Warning System Units
- UL268: Smoke Detectors for Fire Protective Signaling Systems
- NFPA 72 National Fire Alarm Code
- CSFM: California State Fire Marshall (excluding the GEMC-WL-HEAT)
- NYCFD: NYC Fire Department (excluding the GEMC-WL-SMK and GEMC-WL-HEAT)

The **GEMC-FW-WD2** is a 2 point transmitter designed for use in Napco FIREWOLF Series wireless systems, and with the Napco GEMC-RECV series wireless receivers. Terminals are provided for supervised external contacts. A jumper (J1) allows the use of external fire alarm pull stations, thermal detectors, waterflow tamper switches, etc. For Fire installations use 22-18 AWG. In addition, the GEMC-WL-WD2 includes a rear tamper to protect against the removal of the transmitter from the wall. The GEMC-FW-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. The transmitter has a unique factory-programmed code that distinguishes itself to the receiver. (**Note:** A fire condition sends a fire alarm signal; this signal will be sent until the condition clears).

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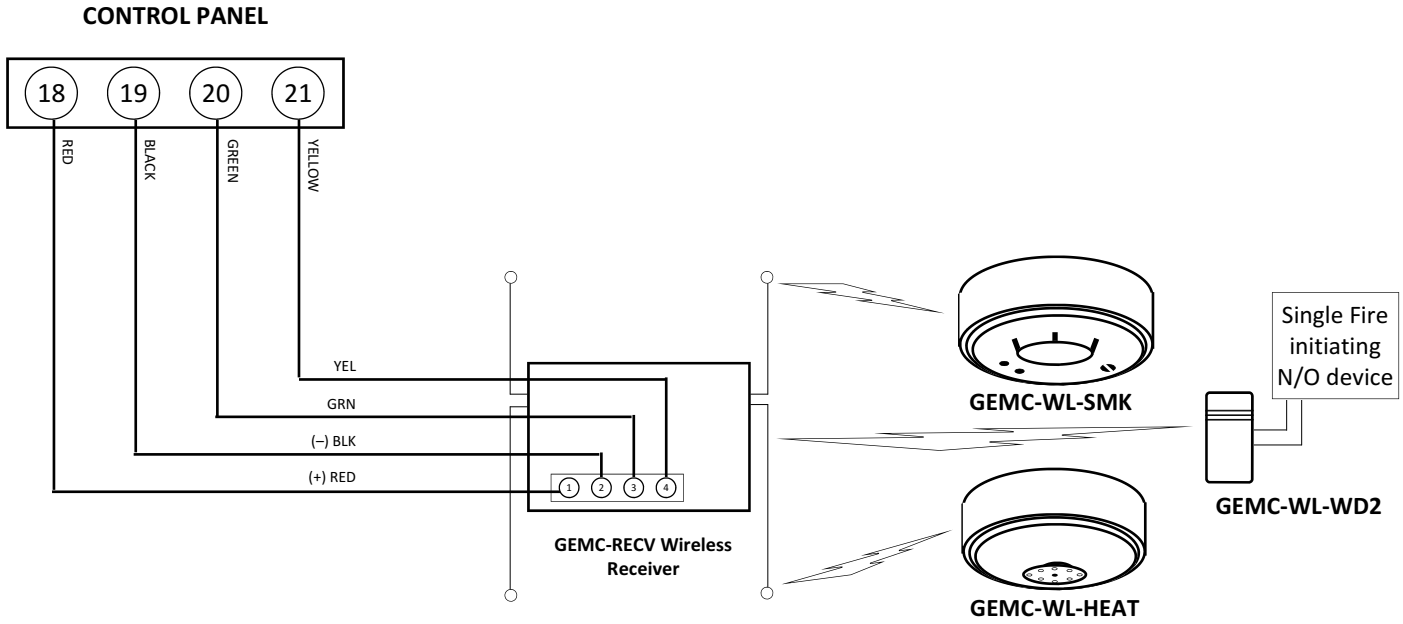
	GEMC-WL-SMK	GEMC-WL-HEAT	GEMC-WL-WD2
Battery	3-Volt lithium	3-Volt lithium	3-Volt lithium
Dimensions	5-1/8" Diameter x 2" Depth	4-5/8"Diameter x 3" Depth	1.5"Width x 3.125"Height x 1"Depth
Temperature	n/a	135°F (57°C) Fixed 15°F or more per minute Rate-of-Rise	n/a
Frequency	319.5 MHz	319.5 MHz	319.5 MHz
Max Zone Length	n/a	n/a	3' maximum (#18-22 AWG)
Max Loop Resistance	n/a	n/a	300 Ohms
EOL Resister	n/a	n/a	180 K Ohm



How to Order:

GEMC-WL-SMK UL Commercial Wireless Smoke Detector
GEMC-WL-HEAT UL Commercial 135 degree Fixed Temperature Heat detector
GEMC-WL-WD2 Wireless Input Alarm Transmitter (2 inputs)

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