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TESTING AND MAINTAINING WIRELESS DEVICES

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This addendum to your User's Guide contains testing and maintenance instructions for NAPCO wireless devices that may be part of your security system. **Before performing any of the following test procedures, be sure call your central station to notify them of the tests.** The NAPCO C-Series wireless devices are as follows:

- **GEMC-WL-WD** - Low Profile Window/Door Contact
- **GEMC-WL-WD2** - Window/Door Contact
- **GEMC-WL-PIR** - Motion Sensor
- **GEMC-WL-DT** - Motion Sensor
- **GEMC-WL-SMK** - Smoke Detector
- **GEMC-WL-HEAT** - Heat Detector
- **GEMC-WL-GB** - Glass Break Detector

The NAPCO Residential wireless devices are as follows:

- **GEM-PIRPET** - Wireless 30 pound Pet Immune PIR Motion Sensor
- **GEM-PIR** - Wireless PIR Motion Sensor
- **GEM-DT** - Motion Sensor
- **GEM-WP** - Wireless Waterproof Panic Button
- **GEM-GB** - Glass-Break Sensor (Not evaluated by UL)
- **GEM-RTRANS** - Recessed Window/Door Transmitter
- **GEM-TRANS2** - Window/Door Transmitter, 2-Point
- **GEM-KEYFLR** - Full-size, Long-Range Key Chain / Pendant Remote Arming / Emergency Transmitter (Not evaluated by UL)
- **GEM-KEYF** - Mini Keyfob / Key Chain Remote Arming or Emergency Transmitter
- **GEM-SMK** - Supervised Digital Smoke Detector
- **GEM-HEAT** - Wireless Heat Detector with Rate of Rise
- **GEM-TRANSLP** - Window/Door Transmitter, Low-profile (Not evaluated by UL)

TEST PROCEDURES

GEMC-WL-WD Low Profile Window / Door Transmitter

GEMC-WL-WD2 Window / Door Transmitter

The GEMC-WL-WD and GEMC-WL-WD2 are wireless transmitters generally used for window and door protection. To test the transmitters:

1. Open the window or door protected by the transmitter.
2. Check that the keypad displays the proper zone fault.
3. Close the window or door and check that the zone restores.

GEMC-WL-PIR Wireless Motion Sensor

GEMC-WL-DT Wireless Motion Sensor

Do not allow any motion within the coverage area for at least 5 minutes prior to testing. After this "settling" period, test the sensor as follows:

1. Walk in front of the sensor, across the protected area.
2. Have someone check that the keypad displays the proper zone fault. The zone will self-reset within about 10 seconds.

GEMC-WL-SMK Wireless Smoke Detector

1. Press and hold the **TEST** button on the smoke detector (using a non-conductive pointed object such as a toothpick) for about 30 seconds, until the alarm sounds.
2. Check that the keypad displays the proper faulted zone.
3. Enter your code, then press **ENTER** to silence the alarm; press **RESET** to silence the keypad.
4. Call the central station to confirm that the proper code was received.

GEMC-WL-HEAT Wireless Heat Detector

Test system with unit mounted. The rate-of-rise feature may be tested by a quick application of heat from any convenient source. A portable hair dryer is recommended. However, do not apply heat which exceeds the fixed temperature rating of the detector. *If the fixed temperature is exceeded, the center disk of the detector will drop and the detector must be replaced.*

Apply the heat until the local alarm sounds. Verify that the GEMC-WL-HEAT has triggered the correct zone and that the correct report has been transmitted to the central station. Wait a few minutes and reset the fire circuit. Ensure that the system returns to a normal status.

GEMC-WL-GB Wireless Glass Break Detector

Test system with unit mounted and with a model FG-701 glassbreak simulator. Enter "Test Mode" as follows: Stand within 3m (10') of the detector, set the FG-701 switches to **ACTIVATE** and **MAN**, point the speaker of the FG-701 towards the detector and press the red **START** button. The simulator buzzes a short activation code. The green LED on the GEMC-WL-GB flashes about once per second indicating it is entering Test Mode (if the green LED does not flash, move closer to the detector and repeat). Once in Test Mode, set the FG-701 switches to **TEST** and **FLEX**, press the red **START** button; the FG-701 clicks on and starts an 8-second armed period. Position the FG-701 near the farthest point of the protected glass, and point the speaker directly at the GEMC-WL-GB. If window coverings are present, close them fully and hold the FG-701 between the coverings and the protected glass during testing. Generate a flex signal by carefully striking the glass with a cushioned tool. The FG-701 responds by producing a burst of glassbreak audio. If the GEMC-WL-GB receives both the flex and audio signals properly, its red Alarm LED lights. Exit Test Mode by following the same procedure used to enter the Test Mode (the GEMC-WL-GB automatically exits Test Mode five minutes after the last test event is detected).

GEM-KEYF Transmitter

The GEM-KEYF is a multifunction pendant / keychain transmitter that may have its A1 and A2 buttons programmed, to send emergency conditions, such as Panic and Auxiliary Panic, to the central station. Test as follows:

1. Press and hold either button for about 2 seconds to transmit a test signal. Repeat for the other button.
2. Check with the central station to confirm that the proper codes were received.

MAINTENANCE PROCEDURES

Replacing the Batteries

When your system detects a transmitter with a weak battery, the keypad will display the system trouble, "E05-NN", where "E05" signifies a low-battery condition and "NN" represents the zone number of the transmitter. Locate the transmitter, then proceed as follows:

To open the GEMC-WL-WD2, GEMC-WL-PIR, GEMC-WL-DT, GEM-TRANS2 or GEM-TRANSLP, insert a small screwdriver into the slot at the bottom of the case and twist. Replace the batteries as follows:

Batteries for C-Series Wireless Devices:

- One 3-volt lithium in the **GEMC-WL-WD2**, **GEMC-WL-GB** and **GEMC-WL-HEAT** (use a Duracell DL123A, Varta/Power-One CR123A or Panasonic CR123A only)
- One 3-volt lithium in the **GEMC-WL-SMK** smoke detector (use a Duracell DL123A, Varta CR123A, Panasonic CR123A or Sanyo CR123A only)
- Two 3-volt lithium in the **GEMC-WL-PIR** (use Duracell DL123A, Varta/Power-One CR123A or Panasonic CR123A only)
- Four Duracell C-size alkaline in the **GEMC-WL-DT** motion sensor

Batteries for Residential Wireless Devices:

- Two 3-volt lithium in the **GEM-PIRPET** and **GEM-PIR** (use Duracell DL123A, Varta/Power-One CR123A or Panasonic CR123A only)
- Four 1.5-volt alkaline C-Size in the **GEM-DT**
- Two 1.5-volt silver oxide in the **GEM-WP** and **GEM-KEYFLR** (use Energizer 386)
- Two 3-volt lithium in the **GEM-GB** (use type DL123A or CR123A)
- One 3-volt lithium in the **GEM-RTRANS**, **GEM-TRANS2** and **GEM-HEAT** (use Duracell DL123A, Varta/Power-One CR123A or Panasonic CR123A only)
- One 3-volt lithium in the **GEM-KEYF** (use CR2032)
- One 3-volt lithium in the **GEM-SMK** (use Duracell DL123A, Varta/Power-One CR123A or Panasonic CR123A); also one 9-volt alkaline (use Duracell MN-1604)
- One 3-volt lithium in the **GEM-TRANSLP** (use Energizer CR2032 or Duracell DL2032)

Warning: Replace batteries only with the same type as specified above. Use of another battery may present a risk of fire or explosion. Do not recharge or disassemble battery, or dispose of battery in fire. Always observe correct polarity when installing batteries. **Note:** These batteries are generally available at electronics or camera stores.

Cleaning the GEMC-WL-SMK Smoke Detector

To clean the smoke detector, simply vacuum the outside of the detector with a soft brush at least once a year (every six months is preferable). *Do not attempt to clean the unit in any other way.*