

1166 WIRELESS SMOKE RING

Installation Guide

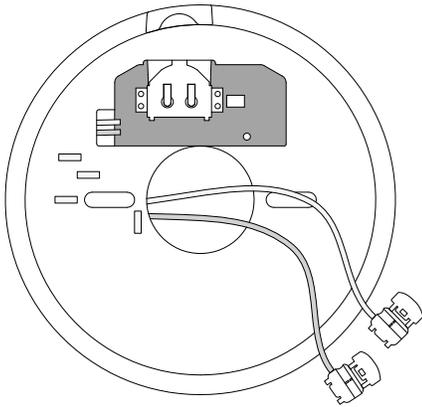


Figure 1: 1166 Wireless Smoke Ring

DESCRIPTION

The 1166 Wireless Smoke Ring can be installed with any traditional AC-powered interconnected smoke detector system.

Traditional smoke detectors only provide an audible alert in the event of a fire. The 1166 monitors the smoke detector system and sends a message to the alarm panel when a smoke detector is triggered.

Only one 1166 is required per smoke detector system.

Compatibility

All DMP 1100 Series Wireless Receivers and burglary panels. See the last page for compatibility details.

Smoke Detectors

- BRK Brands Model 7010B
- Firex Kidde Model i4618
- First Alert BRK Model 9120B
- Kidde Model i12040
- USI Electric Model 5304

What is Included?

- One 1166 Wireless Smoke Ring
- One 3V lithium CR2477 battery
- Mounting screws



1 PROGRAM THE PANEL

Begin by programming the 1166 Wireless Smoke Ring into the panel. Refer to the panel programming guide as needed.

1. In **ZONE INFORMATION**, enter the **ZONE** number and press **CMD**.
2. Enter the **ZONE NAME** and press **CMD**.
3. Select **FI** (Fire) as the **Zone Type** and press **CMD**.
4. At the **NEXT ZONE** prompt, select **NO**. If you see the **WIRELESS ZONE** prompt, select **YES**.
5. Enter the eight-digit **SERIAL NUMBER** and press **CMD**.
6. Enter the **SUPRVSN TIME** and press **CMD**.
7. At the **NEXT ZONE** prompt, select **NO**.

2 SELECT A SMOKE DETECTOR

Choose one of the AC-powered interconnected smoke detectors onto which you will add the 1166. The 1166 will use this smoke detector for communication. The smoke detector must be within range of a DMP wireless receiver or panel to ensure proper communication.

1. Disconnect power from the smoke detector system before beginning the installation.
2. Remove the chosen smoke detector from its mounting base by twisting it counter clockwise or clockwise (depending on the brand).
3. Unplug the pigtail connector and detach the smoke detector.
4. Remove the screws from the mounting bracket to detach it from the electric junction box.
5. Insert the pigtail wire and wire taps through the center opening in the 1166.
6. Place the 1166 where the mounting base was on the ceiling or wall.
7. Place the mounting base over the 1166 and line up the screw openings.
8. Use the mounting screws included with the 1166 to attach the mounting base and 1166 to the electric junction box.

3 WIRE THE 1166

After the smoke detector has been removed and the 1166 has been added, follow these steps to connect the wires on the 1166 to the smoke detector pigtail wires.

1. Place the yellow wiretap over the yellow or orange signal wire and crimp it in place using pliers. See Figure 2.
2. Place the white wiretap over the white neutral wire and crimp it in place using pliers.
3. Fit the wires back into the wiring opening in the smoke detector mounting base.
4. Reconnect the pigtail connector to the smoke detector and twist the smoke detector back into place on its mounting base.

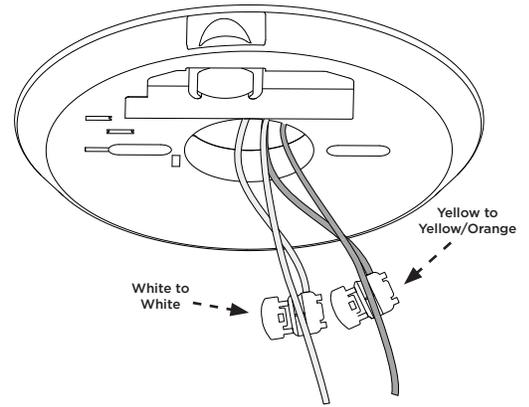


Figure 2: Wiring Diagram

4 INSTALL OR REPLACE THE BATTERY

The 1166 is powered by a 3V lithium CR2477 battery inserted into a sliding tray. When the battery gets low, a LOBAT message is sent to the panel. When the LOBAT message appears, replace the battery and perform a sensor reset by following the process below.

1. Slide open the battery tray on the side of the 1166.
2. Observing polarity, insert a 3V lithium CR2477 battery. See Figure 3.
3. Close the battery tray.

⚡ Caution: Properly dispose of used batteries. Do not recharge, disassemble, heat above 212°F (100°C), or incinerate. These conditions may lead to fire, explosion, and burns.

Sensor Reset to Clear LOBAT

Once the battery is replaced, a sensor reset is required at the system keypad to clear the LOBAT message.

1. On a Thinline keypad, press and hold “2” for two seconds. On a touchscreen keypad press **RESET**.
2. Enter your user code if required.
3. The keypad displays **SENSORS OFF** followed by **SENSORS ON**.

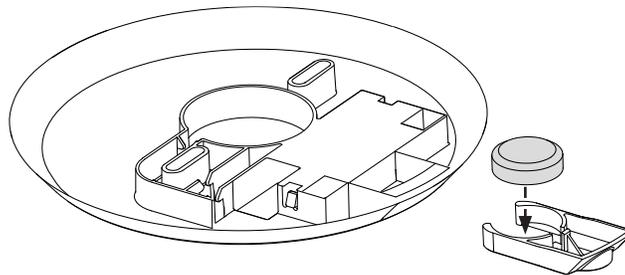


Figure 3: Battery Location

5 TEST THE 1166

After you have installed the 1166, perform one of the following tests to ensure that the 1166 is successfully sending messages to the panel. These tests can be performed on any of the system's smoke detectors.

Press the Test Button

Press the Test button on one of the smoke detectors where the 1166 is located. If the 1166 is communicating properly, an alarm message on the 1166's zone will be transmitted to the panel.

Smoke Testing

1. Use canned smoke or a smoldering punk to direct smoke into the openings of one of the smoke detectors for 20 seconds or until it goes into alarm.
2. The detector's red LED should stay on and the panel should recognize an alarm. Use the system reset switch to reset the detector.

 **Caution:** Remember to extinguish the smoke source after testing.

FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm (7.874 in.) from all persons. It must not be located or operated in conjunction with any other antenna or transmitter.

Changes or modifications made by the user and not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

 **Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada Information

This device complies with Industry Canada Licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm (7.874 in.) from all persons. It must not be located or operated in conjunction with any other antenna or transmitter.

L'antenne utilisée pour cet émetteur doit être installée de façon à offrir une distance de séparation d'au moins 20 cm (7.874 in.) De toute personne. Il ne doit pas être placé ou utilisé conjointement avec une autre antenne ou un autre émetteur.

Specifications

Battery	
Life Expectancy	5 Years (normal operation)
Type	3.0V Lithium CR2477
Frequency Range	905-924 MHz
Dimensions	6.5" W x 0.5" H
Color	White
Housing Material	Flame retardant ABS

Replacements

- CR2477 3.0V Lithium Battery

Certifications

- FCC Part 15 Registration ID CCKPC0194
- Industry Canada Registration ID 5251A-PC0194

Compatibility

- 1100X Wireless Receiver Version 104 or higher
- 1100XH Wireless Receiver Version 105 or higher
- 1100D Wireless Receiver Version 104 or higher
- 1100DI Wireless Receiver Version 105 or higher
- 1100DH Wireless Receiver Version 105 or higher
- XT50 Series panels with integrated wireless receiver Version 101 or higher
- XTL Series panels with integrated wireless receiver Version 104 or higher
- XTLplus Series Panels

Patents

- U. S. Patent No. 7,239,236



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