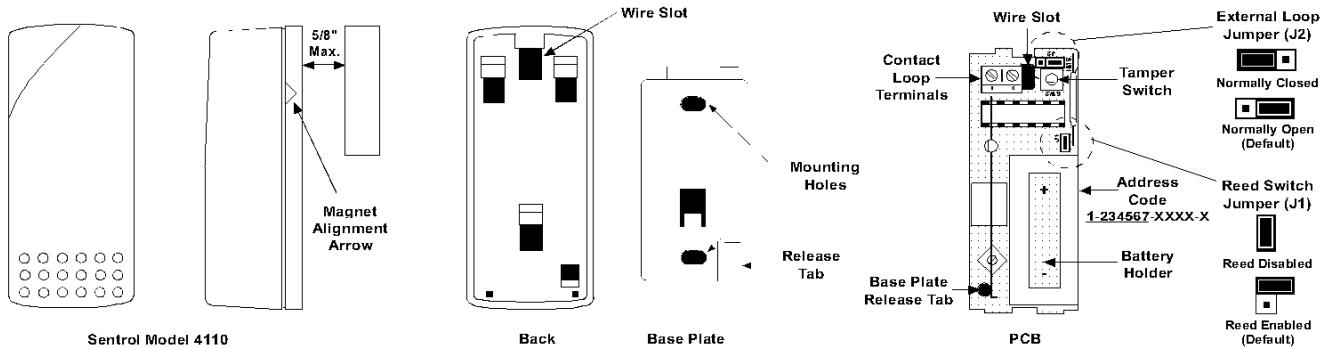


SENTROL, INC

# Wireless

## Model 4110 Universal Transmitter



### GENERAL INFORMATION

The Sentrol Model 4110 Universal Transmitter is designed to be used with Sentrol's 4000 Wireless System. It is provided with a 3 volt DL123A Lithium Battery and a No. 1927 external magnet. It contains an internal magnetic reed switch, connections for an external open or closed contact loop and a cover tamper switch. The internal reed switch and external loop can be enabled or disabled by jumpers.

The Model 4110 is a single address device and will transmit Alarm, Tamper, Restore, and Low Battery codes. It also transmits a "supervisory" signal once every hour to the receiver indicating its status.

### INSTALLATION

#### **Read this section completely before installing!**

These instructions will provide information on installation requirements and will address some installation situations to be avoided for best performance.

**The maximum gap between the case of the transmitter (at the arrow) and the external magnet cannot be greater than 5/8 inches.** If the gap is greater than 5/8 inches but less than 1 inch, then Sentrol No. 1979-N Magnet should be used. For applications requiring a gap of 1 inch or greater, use an external contact switch connected to the external loop circuit and disable the internal reed switch.

For further application assistance, consult Sentrol Application Notes Publication number M1749.

**The Model 4110 should be tested at the intended location before permanently mounting to make sure that proper signal transmissions can be made.**

Consult the appropriate Control Panel Instructions for programming and test details.

### MOUNTING

Mount the Base Plate with two #6 x 3/4" flat head screws (included) using the (2) slotted mounting holes. If the magnet is to the left of (or above) the transmitter then the Base Plate Release Tab is to the upper right (or bottom). If the magnet is to the right of (or below) the transmitter, then the Base Plate Release Tab is in the lower (or upper) left.

The Model 4110 can be attached to the Base Plate by sliding it onto the plate until it locks.

### USING AN EXTERNAL MAGNET

It is important that the magnet be installed so that it is aligned to the arrow on the case. Verify that the reed switch is enabled, or if not using, disabled by checking the position of Jumper J1.

### USING AN EXTERNAL CONTACT LOOP

The transmitter can monitor "open circuit" or "closed circuit" contacts but not both at the same time. Select and set Jumper J2 for Open or Closed loop. Connect external loop to terminal block. Jumper J2 should be set for the default position if the external loop is not used.

*For UL Grade A Household installations, the external contacts cannot be more than 3 feet from the transmitter. For UL Commercial Burglary applications, the external contact loop shall not be used. For Non-UL installations, the external contacts cannot be more than 10 feet from transmitter.*

### BATTERY INSTALLATION

Install the Duracell DL123A battery (provided) into the battery holder, observing proper polarity.

**Caution:** Batteries can explode or cause burns if

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*disassembled, recharged or exposed to fire or high temperature. Please dispose of old batteries properly.*

#### **SYSTEM PROGRAMMING**

There is no address setting at the transmitter. Copy the "address code" from the label on the battery holder (1-234567-XXXX-X). Consult the appropriate Control Panel Programming Instructions. Replace the cover by attaching the "dimpled end" first and then snapping the opposite cover end into place.

#### **SPECIFICATIONS**

**Case Dimensions:** 1.00 x 1.38 x 3.25 inches

**Operating Temperature:** 0°C to 50°C (32°F to 122°F)

**Battery Type:** use only Duracell DL123A

**Battery Life:** 5 years typical, not UL verified.

**External Contact Resistance:** 100 ohms Max

**Color:** Cloud white

**Transmitter Frequency:** 418 Mhz

**Indoor Range:** 200 ft Typical, with "Acceptable" signal level.

**Hardware Pack:** (2) #6 Flathead x 3/4", (2) #6 x 3/4" wall anchors

#### **FCC COMPLIANCE (USA)**

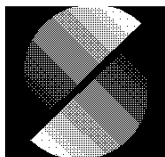
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC ID:** A794110

#### **INDUSTRY CANADA COMPLIANCE (Canada)**

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

IC: 1455 102 734



SENTROL, INC

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Sentrol reserves the right to change specifications without notice.

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