1101-WINT Universal Transmitter

Description

The 1101-WINT is a two input transmitter that is typically used for door/window applications. The 1101-WINT provides two internal magnetic reed switches and an on-board terminal block to allow for external contact wiring. Both sets of contacts, internal and external, can be programmed to operate at the same time allowing for two independent zones from one transmitter. Refer to the panel programming guide for zone programming information.

Using the on-board LED the 1101-WINT Universal Transmitter provides built-in survey capability to allow for singleperson installations, eliminating the requirement for an external survey kit. A transmitter mounting bracket is included to make the installation quick and easy. For added security, an internal case tamper switch is provided.

Compatibility

1100X-WINT Wireless Receiver 1100D-WINT Wireless Receiver XT30INT Series panel XR150INT/XR550INT Series panel

What is Included

The 1101-WINT Universal Transmitter includes the following items:

- One 1101-WINT Transmitter PCB mounted in a two-part housing (base and cover)
- One Magnet housing and base
- One 3V lithium CR123A Battery
- Hardware pack
- Zone name and number label
- Serial number label
- Optional Transmitter mounting bracket
- Optional Magnet mounting spacer

Transmitter Serial Number



Figure 1: Mounted Transmitter and Magnet

For your convenience, an additional pre-printed serial number label is included. Prior to installing the device, record the serial number or place the pre-printed serial number label on the panel programming sheet. This number is required during programming. As needed, use the zone name and number label to identify a specific transmitter.

Programming the Transmitter in the Panel

Program the device as a zone in **Zone Information** during panel programming. At the Serial Number: prompt, enter the eight-digit serial number. Continue to program the zone as directed in the panel programming guide.

Note: When a receiver is installed, powered up, or the panel is reset, the supervision time for transmitters is reset. If the receiver has been powered down for more than one hour, wireless transmitters may take up to an additional hour to send a supervision message unless tripped, tampered, or powered up. This operation extends battery life for transmitters. A missing message may display on the keypad until the transmitter sends a supervision message.

Selecting the Proper Location (LED Survey Operation)

The 1101-WINT Transmitter provides a survey capability to allow one person to confirm transmitter communication with the receiver while the cover is removed. The 1101-WINT Transmitter PCB Red Survey LED turns on whenever data is sent to the receiver then immediately turns off when the receiver acknowledgement is received. Pressing the tamper switch is a convenient way to send data to the receiver to confirm operation. When the tamper switch is pressed or released, the LED blinks once to indicate proper operation. When the transmitter does not receive an acknowledgement from the receiver the LED remains on for about 8 seconds to let you know communication is not established. Communication is also faulty when the LED flashes multiple times in quick succession. Relocate the transmitter or receiver until the LED immediately turns off indicating the transmitter and receiver are communicating properly. Proper communication between the transmitter and receiver is verified when for each press or release of the tamper switch, the LED blinks immediately on and immediately off. Repeat this test to confirm five separate consecutive LED blinks. Any indication otherwise means proper communication has not been established.



Mounting the Transmitter and Magnet Assemblies

For internal contact operation, the transmitter and magnet assembly should have no more than 5/8" (1.6 cm) space between the assembled housings after installation. When mounting on metal (ferrous) surfaces, this distance is slightly less. For door installations, it is recommended the transmitter be mounted on the door frame and the magnet assembly be mounted on the door.

Magnet Housing and Base

Only one magnet assembly is required for internal reed switch operation. Depending on the installation, you can use either the end mount internal reed switch or side mount internal reed switch location of the transmitter. For reference, both mounting locations and other mounting information is included in Figures 3 and 4. An optional magnet housing spacer is provided for installations where the magnet assembly needs to be raised in order to line up with the reed switches in the transmitter.

Installing the Optional Mounting Bracket

The following instructions cover installing the transmitter using the mounting bracket. If the installation does not require the mounting bracket, refer to Installing the Transmitter without the Mounting Bracket.



Figure 2: Magnet Assembly

- 1. Secure the mounting bracket using the supplied screws. Make sure the reed switch location markers are positioned where you plan to mount and install the magnet housing.
- 2. Place the magnet housing base on the surface nearest to one of the internal reed switch locations and use the provided screws to secure the magnet mounting base. If needed, set the mounting spacer below the housing base and align the mounting holes together.

Note: The magnet housing base must be located a minimum of 1/8" (0.3 cm) from the alignment bracket. The 1/8" (0.3 cm) distance is required to ensure the magnet housing and transmitter housing have enough space between them when mounted. When using the magnet spacer, place the spacer next to the alignment bracket. No additional space is required between the spacer and the bracket. See Figure 3 Section B.

- 3. Snap the magnet housing onto the housing base.
- 4. Line the transmitter base up with the mounting bracket snap connectors and press the transmitter into place.
- 5. The spring must be in place on the tamper switch for normal operation.







Figure 4: View of Side and End Mount Magnets

Installing the Transmitter without the Mounting Bracket

These instructions cover installing the transmitter using the base housing without the mounting bracket. If the installation requires the mounting bracket, refer to Installing the Optional Mounting Bracket above.

- 1. Remove the battery if installed.
- 2. Hold the transmitter base in place with the reed switch nearest to the area where you plan to mount the magnet.
- 3. Place one supplied screw into the mounting hole location as shown in Figure 5 and secure the housing to the surface.
- 4. Place the magnet housing base on the surface nearest to one of the internal reed switch locations and use the provided screws to secure the magnet mounting base in place. See Figure 2.
- 5. If needed, place the magnet mounting spacer below the magnet housing base, align the holes, and use the provided screws to secure the base and spacer in place.
- 6. The spring must be in place on the tamper switch for normal operation.

Internal and External Contact Mounting

When connecting an external contact to the terminal block, DMP recommends using 18 or 22-gauge unshielded wire. Do not use twisted pair or shielded wire. Connect the external contact as normally open (N/O) or normally closed (N/C) without any end-of-line resistor. Refer to the Contact option under Zone Information in the appropriate panel programming guide.

Note: When using both contacts, you must use consecutive zone numbers. Refer to the following examples:

- XR550INT system zones 562 and 563 or zones 893 and 894
- XR150INT system zones 523 and 524 or zones 593 and 594
- XT30INT Series zones 31 and 32 or zones 34 and 41

Installing or Replacing the Battery

Observe polarity when installing the battery. Use only 3.0V lithium batteries, DMP Model CR123, or the equivalent battery from a local retail outlet. For UL installations, only use #123 batteries manufactured by Energizer or CR123A batteries manufactured by Panasonic or Tekcell.

Note: When setting up a wireless system, it is recommended to program



External Contact

Terminal Block

Figure 6: External Contact Wiring

zones and connect the receiver before installing batteries in the transmitters.

- 1. If installed, remove the transmitter housing cover.
- 2. If replacing the battery, remove the old battery and dispose of it properly.
- 3. Place the 3.0V lithium battery in the holder as shown in Figure 5 and press into place.

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4. Line the transmitter cover so the DMP logo is over the battery and snap the cover back into place.



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



1101-WINT Installation Guide

Battery Life Expectancy

Typical battery life expectancy for DMP Model 1101-WINT wireless transmitters is 5 years. DMP wireless equipment uses two-way communication to extend battery life.

The following situations can reduce battery life expectancy:

- If a receiver is unplugged or not installed. Note: Transmitters continue to send supervision messages until a receiver returns an acknowledgement. After an hour the transmitter only attempts a supervision message every 60 minutes.
- Frequent transmissions, such as a door contact where messages are sent every time the door opens or closes.
- When installed in extreme hot or cold environments.

The following situation can extend battery life expectancy:

- Extend transmitter supervision time in panel programming.
- Infrequent transmission trips, such as a window that rarely sends messages.

Specifications Battery Life Expectancy Type See Battery Life Exp Frequency Range: Dimensions Transmitter Case Transmitter Base Magnet Housing Magnet Spacer Color Housing Material	5 years (normal operation) 3.0V lithium CR123A ectancy for full details. 863-869 MHz 3.3" L x 1.6" W x 1.2" H 8.4 L x 4.06 W x 3.05 H cm 2.5" L x 1.3" W x 0.1" H 6.4 L x 3.3 W x 1.25 H cm 1.5" L x 0.5" W x 0.7" H 3.8 L x 1.3 W x 1.8 H cm 1.5" L x 0.5" W x 0.1" H 3.8 L x 1.3 W x 0.25 H cm White Flame retardant ABS	Compatibility 1100X-WINT Wireless Receiver 1100D-WINT Wireless Receiver XT30INT Series panel XR150INT/XR550INT Series panel Patents U. S. Patent No. 7,239,236	5 Digital Monitoring Products, Inc.
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