1100DINT WIRELESS RECEIVERS

Installation Guide

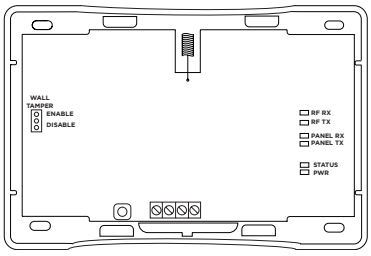

Figure 1: 1100DINT Receiver

GET STARTED

The 1100DINT Wireless Receiver provides up to 32 wireless zones for XT30INT Series panels.

The 1100DINT Series features 128-bit AES encryption and provides two-way, supervised communication using 868 MHz frequency-hopping-spread-spectrum technology.

The receiver is equipped with a case and wall tamper.

Compatibility

- 1100INT Series Wireless Receivers Version 700 and Higher
- 1100INT Series Wireless Transmitters Version 700 and Higher
- XT30INT Series Panels Version 693 and Higher
- XTLtouchINT/XTLplusINT Series Panels Version 693 and Higher

What is Included?

- One 1100DINT Wireless Receiver
- Hardware pack

1 PROGRAM THE PANEL

Refer to the panel programming guide as needed.

1. Reset the panel.
2. Enter **665** (PRO) at the keypad to access the **PROGRAMMER** menu.
3. In **SYSTEM OPTIONS**, program a **HOUSE CODE** between 1 and 50. See *House Code Explained* on page 3.
4. Select **NO** at the **BUILT IN 1100 WIRELESS** prompt to allow the panel to use the 1100DINT for wireless communication.
5. At the **1100 ENCRYPTION** prompt, select **ALL** to only add encrypted wireless devices to the system. Select **BOTH** to allow both encrypted and non-encrypted wireless devices to be programmed.
6. The default passphrase appears at the **ENTER PASSPHRASE** prompt. Press **CMD** to keep the default. Press any select key or area to change the passphrase and enter an 8-character hexadecimal string (0-9, A-F).
7. Press **CMD** until **STOP** displays. Press a top row select key or area to save and exit programming.

Programming Zones

Refer to the panel XT30INT Series Programming Guide (LT-0981INT) for complete wireless programming information. When any wireless input zone for a particular address is programmed, the 1100DINT responds to the panel for this address. Other devices, such as keypads or hardwired zone expanders, cannot use this address. Zones connected directly to the panel cannot be wireless. See Table 1 for designated zone numbers.

KEYPAD ADDRESS	*ZONE NUMBERS*
1	11-14
2	21-24
3	31-34
4	41-44
5	51-54
6	61-64
7	71-74
8	81-84

Table 1: Zone Number Designations

2 SELECT A LOCATION

The receiver should be centrally located between the DMP panel and the 1100INT Series transmitters used in the installation. The receiver can be extended up to 152.4 meters from the panel using 22 AWG or 304.8 meters using 18 AWG. Mount the receiver away from large metal objects. Do not use shielded wire between the panel and receiver.

LED Survey Operation for 1100INT Series Transmitters

1100INT Series transmitters provide a survey operation that allows one person to confirm communication with the wireless receiver or panel while the cover is removed. Follow the directions below to test communication of the wireless transmitters.

1. With the cover removed, hold the transmitter in the exact desired location.
2. Press the tamper switch to send data to the wireless panel and determine if communication is confirmed or faulty.

✓ **Confirmed:** If communication is confirmed, for each press or release of the tamper switch, the LED blinks immediately on and immediately off.

✗ **Faulty:** If communication is faulty, the LED remains on for several seconds or flashes multiple times in quick succession. Relocate the transmitter or the wireless receiver until the LED confirms clear communication.

3 MOUNT THE 1100DINT RECEIVER

The receiver is equipped with a case and wall tamper. When the housing cover is removed, the case tamper activates and the receiver sends a tamper trouble to the panel. To enable the tamper, see the following steps.

A two-position header is provided to disable the wall tamper. To disable the wall tamper, place the jumper across the two pins of the header.

1. With the cover already removed, remove the PCB from the housing to access the tamper and mounting holes.
2. Mount the receiver on a flat surface using the supplied screws. See Figure 2 for mounting hole locations.
3. Use one of the provided screws to anchor the housing in the wall tamper screw hole.
4. Snap the PCB back into the housing attached to the wall. Observe LED operation.

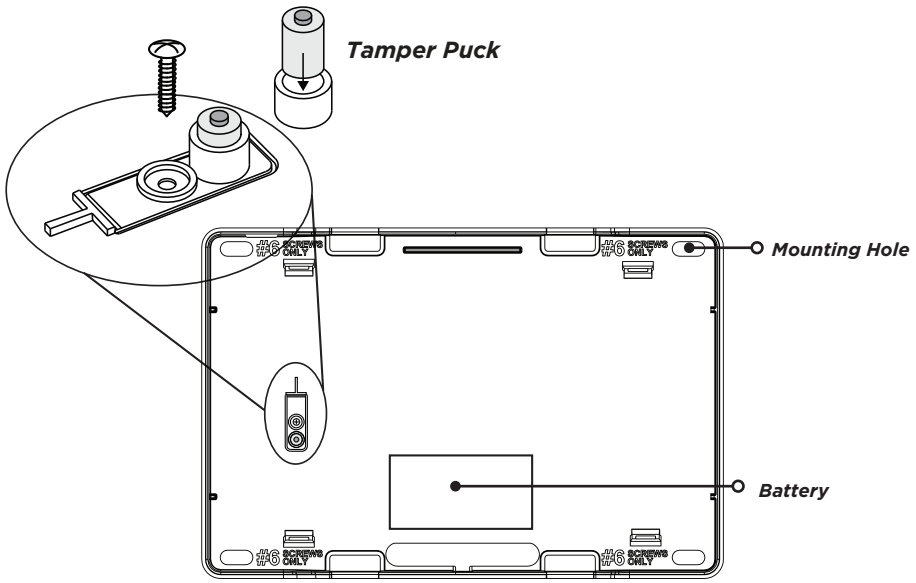

Figure 2: Inside of the 1100DINT Housing

4 WIRE THE 1100DINT RECEIVER

1. Connect the red, yellow, green, and black wires to the **PANEL** terminal on the 1100DINT. Connect the other end of the wires to the 7, 8, 9, and 10 terminals on the panel. See Figure 3.
2. Replace the cover back on to the base. The panel immediately recognizes the receiver if the panel is programmed with a house code.

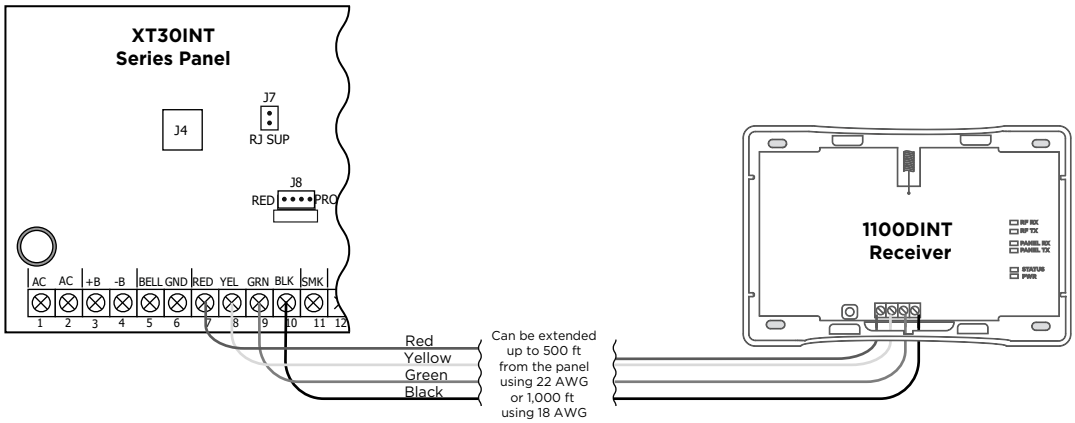

Figure 3: Wiring the 1100DINT to the Panel

ADDITIONAL INFORMATION

1100DINT LED Operation

The six labeled LEDs on the 1100DINT PCB display wireless receiver operation and activity. See Figure 3 for LED locations and Table 2 for LED indications.

Note: The status LED light will remain solid red when wireless jamming is enabled or if there is a large amount of RF activity in the vicinity of the receiver.

LED	*INDICATIONS*
RF RX	Flashes yellow to indicate data is being received from a transmitter.
RF TX	Flashes green to indicate data is being sent to a transmitter.
PANEL RX	Flashes yellow to indicate data is being received from a panel.
PANEL TX	Flashes green to indicate data is being sent to the panel.
STATUS	Solid red to indicate memory is being uploaded. Turns off when complete.
PWR	Solid green to indicate there is power to the wireless receiver.

Table 2: 1100DINT LED Indications

House Code Explained

The house code identifies the panel, receiver, and transmitters to each other. The 1100DINT automatically sends the specified house code to wireless transmitters when transmitter serial numbers are programmed into the panel. The 1100DINT only listens for transmissions using the specified house code or the programmed transmitters' serial numbers.

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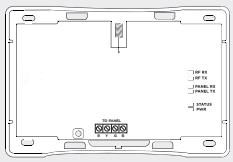

Specifications

Security Grade	2 Type B ACE
Environmental Class	II
Operating Temperature	0°C - 49°C
Relative Humidity	80%
Weight	.23 kg
Operating Voltage	8.0 to 14.0 VDC
Current Draw	25 mA (average), 35 mA (peak)
Frequency Range	863-869 MHz
Housing Material	Flame retardant ABS
Dimensions	14 cm W x 8.9 cm L x 2.5 cm H
Color	White

Patents

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

International Certificates

Intertek (ETL)

EN 50130-4:2011	EMC - Product Family Standard. Immunity Requirements for Components of Fire, Intruder, and Social Alarm Systems
EN 50130-5:2011	Alarm Systems. Environmental Test Methods
EN 50131-1:2006+A1;A2	Alarm Systems. Intrusion and Hold-up Systems. System Requirements
EN 50131-3:2009	Alarm Systems. Intrusion and Hold-up Systems. Control and Indicating Equipment
EN 50131-5-3:2017	Alarm Systems. Intrusion systems. Requirements for Interconnections Equipment using Radio Frequency Techniques
EN 61000-3-2:2009+A1;A2	Limits - Limits for Harmonic Current Emissions (Equipment Input Current less than or equal to 16 A per Phase)
EN 61000-3-3:2013	Limits - Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Public Low-Voltage Supply Systems, for Equipment With Rather Current less than or equal to 16 A per Phase and Not Subject to Conditional Connection
EN 61000-6-4:2018	Generic Standard - Emission Standard for Industrial Environments

Designed, engineered, and manufactured in Springfield, MO using U.S. and global components.

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