Translator User Guide

PTG - Product

Sybersense IoT Co., Ltd

1. Introduction

The Wireless Translator allows you to reuse the existing Honeywell & 2GIG wired or wireless sensors with Sybersense Panel (refer to the compatible sensor list). For wireless sensors, it can switch the 345MHz signal to 433MHz signal. It can power wired sensors and add them directly into the Sybersense new system via the translator terminals.

2. Included Material

- Translator*1
- Wall screw*2
- Expansive rubber sleeve*2

3. Product Appearance

4. Product Features

- Listens to 2G1G and Honeywell 345MHz radio frequency protocol wireless sensors.
- Convert to 433Mhz radio frequency protocol via the Translator (doesn't support repeater)
- Compatible with XP02/XP06 Security Panels.
- Unique Wireless ID for each Zone

- Support 2 wired sensors.
- Support all sensor alarm, supervisory and trouble signals.
- Support Sybersense DHM system
- Support Cover Tamper.
- Dual Antennas to increase Transmit and Receive range
- Backup Battery Operation

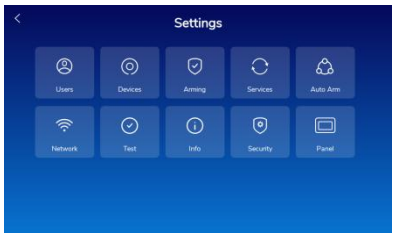
5. Product Specification

Wireless Signal Range	RX 150 Meters, TX 200 Meters (To be Verified, Open area) (*Note)
Transmitter Frequency	Rx 345MHz, Tx 433MHz
Modulation	OOK
Encrypted	345Mhz unencrypted signal to 433MHz encrypted signal
2 way support	Yes
Frequency Hoping	No
Supervisions	Yes
Heartbeat Interval	60 minutes
Tamper	Yes
Wired Support	Yes
Battery	Built-in 2000mAh 3.7V Li battery
Battery Life	24 hours minimum for Non-Powered Zones 4 hours minimum for Powered Zones
Adaptor	DC Jack,12VDC 1A, 100-240VAC 50/60Hz, UL certificated
Current Draw	Output 12VDC Max. 80mA for wired sensors (TBC)
Water Resistance	No
Operating Temperature	0℃ ~ 49℃
Relative Humidity (Storage)	80% Max. non-condensing
Sensor Dimensions	116mm * 115mm * 26mm
Certification	FCC, IC

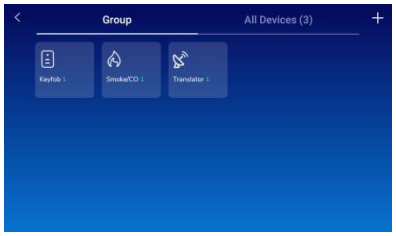
*Note: 1) The XPT01 is facing the panel LCD. 2) The panel is installed at the height of 1.5 meters. The XPT01 is placed at the height of 1.2 meters. 3)RX Wireless Signal Range: Related to sensor RF Performance 3) Open Area, the location of the sensor can have a significant effect on range. In open/unobstructed situation, the transmitter range may be greater. In adverse wireless condition, you may encounter a decrease in range.

6. Pairing with the Security Panel

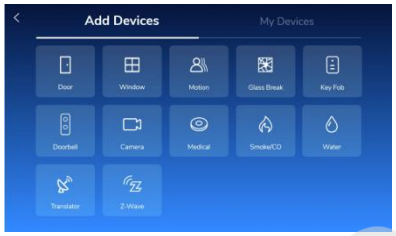
(1) Enter Settings in Panel.



(2) Select “Devices”. Click “+” at the right up corner.

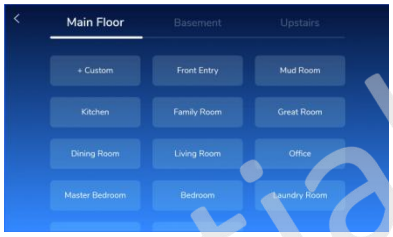


(3) Select the Translator device to add.



(4) Open the case and trigger the Tamper.

(5) Select a location for the sensor.



(6) Review the installation guide and confirm “Done”. The new Translator is added.

7. LED Indicator

LED	LED Pattern	Translator Mode	Meaning
Power	Green On/Flash/Off	Power Mode	On: Translator DC and Battery connected. Flash: Translator DC or battery disconnected.
Configure	Blue On/Off	Enroll Mode	Flash: Ready to add a sensor to panel via the translator.
	Green Flash/Off	Adding Mode	Flash: Received a signal for adding a sensor.
	Red Flash/Off	Duplicated Mode	Flash: The Panel tells the Translator that it is sending an already added sensor signal to Panel. And Panel shows the duplicated SN on the screen (tbd).
Rx	Blue Flash/Off	Rx Mode	Flash: Receiving a sensor’s signal (s)
Tx	Red Flash/Off	Tx Mode	Flash: Transmitting asensor’s signal (s) to the panel.

FCC Warning：

§ 15.19 Labeling requirements.

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.

§ 15.21 Information to user.

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

§ 15.105 Information to the user.

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.

RF Exposure warning.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

IC Warning：

RSS-Gen 8.4 User manual notice

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

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

CNR-Gen 8.4 Avis inséré dans le manuel d'utilisation

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;*
2. *L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

RF Exposure warning.

This equipment complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment.

L'appareil est conforme aux limites d'exposition aux rayonnements du CNR-102 qui sont prescrites pour les environnements non contrôlés.