

## **IQ Water Tile ~ PGP9986**

### **IQ Panel 4 v4.6.1 and higher**



The PowerG + IQ Water Tile PGP9986 can provide both water leak and low temperature detection from one device when enrolled into the IQ4 v4.6.1 panel. The low-profile design allows for discreet, quick and easy installation in a variety of locations throughout the premise. In addition, the 4.6.1 panels will enroll the PGP9986 into two independent zones, one as a Water sensor and the second as a Freeze sensor.

#### **PGP9986 Installation Manual**



Click on the QR Code

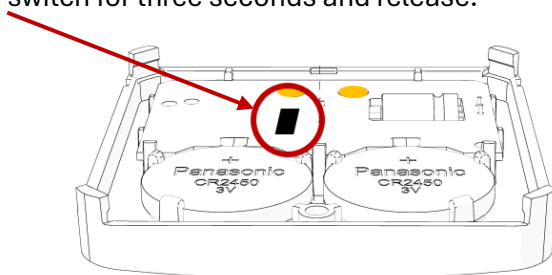
- **Tech Tip:** The PGP9986 can be installed as a water sensor only, if the freeze detection is not required. Save time, money and provide more protection by using both.

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## **Enrollment process:**

Settings > Advanced Settings > Installation > Devices > Security Sensors > Auto Learn Sensor

Press the Tamper switch for three seconds and release:



 A screenshot of the Johnson Controls mobile app interface. At the top, it shows the time '12:00 PM' and date 'Sep 28 2025'. Below this is a form for adding a new sensor. The form has two columns of fields. The left column includes: 'Sensor DL ID' (with values 242 and 3781), 'Sensor Type' (Water), 'Sensor Group' (38-Water Sensor), 'External Tamper' (Disabled), 'Activation LED' (Enable), and 'Buzzer' (On). The right column includes: 'Sensor Name' (Water), 'Chime Type' (F1 New), 'Voice Prompts' (On), 'Source' (PowerG), and 'Pin Code (Optional)'. At the bottom of the form are two buttons: 'ADD NEW' and 'SCAN QR CODE'. A navigation bar at the very bottom contains icons for back, home, and other functions.

Program the 'Sensor Group', 'Sensor Name' as needed.

Select "ADD NEW".

The PGP9986 will auto enroll as two separate zones as shown below:

 A screenshot of the Johnson Controls mobile app showing a list of enrolled sensors. At the top, it shows the time '12:00 PM' and date 'Sep 28 2025'. Below this is a table with the following columns: NO, ID, SIGNAL SOURCE, TYPE, NAME, and GROUP. There are two rows of data. The first row has: NO 1, ID 242-3781, SIGNAL SOURCE P, TYPE Water, NAME Water, and GROUP 38-Water Sensor. The second row has: NO 2, ID 242-3781, SIGNAL SOURCE P, TYPE Freeze, NAME Water - Freeze, and GROUP 52-Freeze. A navigation bar at the bottom contains icons for back, home, and other functions.
 

NO	ID	SIGNAL SOURCE	TYPE	NAME	GROUP
1	242-3781	P	Water	Water	38-Water Sensor
2	242-3781	P	Freeze	Water - Freeze	52-Freeze

- **Tech Tip:** If the Water zone is deleted, both zones associated with the sensor's serial number will be deleted. The Freeze zone can be deleted if not needed.

Zones can be deleted under:

Settings > Advanced Settings > Installation > Devices > Security Sensors > Delete/Replace Sensor

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Edit the sensors as needed:

Settings > Advanced Settings > Installation > Devices > Security Sensors > Edit Sensor

NO	ID	SIGNAL SOURCE	TYPE	NAME	GROUP	EDIT
1	242-3781	P	Water	Water	38-Water Sensor	
2	242-3781	P	Freeze	Water - Freeze 1	52-Freeze	

Editing the Freeze sensor:

Sensor DL ID: 242 - 3781

Sensor Name: Custom Description

Sensor Type: Freeze

Sensor Group: 52-Freeze

Threshold Low: 41° Fahrenheit

Chime Type: High Wire

Voice Prompts: On

Source: PowerG

SAVE

Program the 'Sensor Group', the 'Sensor Name' <sup>1</sup> will follow the associated Water sensor's name plus "- Freeze".

Select "SAVE".

- **Tech Tip:** The Low Temperature Threshold is fixed at +41° F / +5° C and cannot be changed.
- **Tech Tip:** The sensor's tamper should clear within 10 seconds of closing the sensor.
- **Tech Tip:** Signal strength placement test can be performed in the PowerG Test option:  
Settings > Advanced Settings > System Test > PowerG Test
- **Tech Tip:** Under the 'More' option of the PowerG Test page the current ambient temperature of the device will be displayed, along with the signal strength test – both current and 24-hour average, the sensors battery level and much, much more.

Can't find the sensor after deploying it? Listen for it...

- Under the 'More' option there is a "TEST BUZZER" option.

Need a visual indicator of the sensor?

- Under the 'More' option there is a "TEST LED" option.

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## **Manual Signal Strength Placement Test:**

Place the PGP9986 into Placement Test mode by creating a tamper on the sensor (remove the back cover of the sensor.) Press and **hold** the tamper switch, the LED on the front cover of the sensor should flash RED one time. Once the sensor tamper clears on the panel (approximately 10 seconds) then the sensor's LED will flash three times to indicate the sensor's signal strength as shown below.

- **Tech Tip:** Be patient. The tamper must be held and cleared on the panel before the LED flashes the three times to indicate the signal strength for the location.

Three GREEN flashes = Strong ● ● ●

Three AMBER flashes = Good ● ● ●

Three RED flashes = Poor ● ● ●

Then release the tamper switch, the LED will flash RED one time and then in approximately three seconds the LED will flash three times indicating the signal strength again.

- **Tech Tip:** Perform the signal strength test as many times as needed (recommendation is three times.) Remember the sensor's tamper must clear for the panel before the signal strength will be provided via the LED.

After closing the sensor, one last signal strength can be viewed after approximately 10 seconds.

Once the installation is complete, double-check the history of the PowerG signal strength under:  
Settings > Advance Settings > System Test > PowerG Signal Strength.

Verify the history of the signals are all green. Move the device or add a PowerG PGP9920 repeater if necessary to improve signal strength.

