

PURELL® ONVATION 8 Series PAN Module Setup and Validation

Objectives

You will learn how to perform the following system setup procedures:

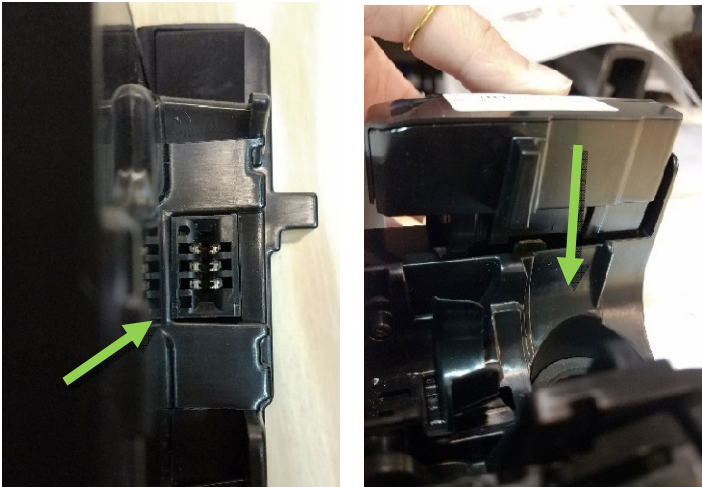
- Recording required MAC ID of PURELL PAN Module
- Installing PAN Module into 8 Series Dispenser
- Provisioning the PAN Module to the ONVATION Hub
- Validating PAN Module connectivity
- Troubleshooting setup issues

Equipment

- PURELL ONVATION 8 Series PAN Modules
- Recording device for MAC ID
- ONVATION Installer App

Module MAC ID Identification and Recording

Step	Illustration
1. Open module static bag and record MAC ID onto recorder with association to dispenser location. 2. Record Dispenser location on the static bag. 3. Using recorded MAC ID's enter them into the ONVATION Installer App. 4. Install the Dispenser per the Dispenser Installation Guidelines.	

Step	Illustration
5. Open the 8 Series dispenser by pressing in the left and right buttons on the side to release the door on the dispenser.	
6. Discard the circuit board cover.	
7. Insert the module by aligning the module connection receptacle with the SMARTLINK connector on the pumphouse.	
8. Load the refill into the dispenser and lift the dispenser door back up to close it (if you are installing using adhesive for the dispenser, utilize the refill collar shipped with the modules rather than the full refill to ensure proper adhesion).	
9. Once the module is installed dispense 3x so the module can recognize what dispenser it is connected to.	
10. Confirm on the ONVATION Installer App that the module has 'checked-in' with the ONVATION Hub.	

Wi-Fi/BLE Provisioning Exceptions

Issue	Code
Dispenser Not Communicating with Onvation Module	If the dispenser is not communicating with Onvation, then try the following steps: 1. Hold a magnet near the {Special Location} on the module. The Red and Green LEDs will turn on. Remove the magnet immediately when the LEDs turn on. If the magnet is held for a short period of time, the module will enter pairing mode. Once paired, the module will connect to Onvation. 2. Alternately a factory reset may be performed: If the magnet is held for a long period of time, all LEDs will turn on. This means a factory reset of the module is performed. All parameters are erased. The module enters a "Dispenser Detect" state where a dispense must be performed after a factory reset.

PAN Module Light Patterns

Status

Pairing Mode

If the magnetic switch is engaged for 500ms (1/2 second), the device will enter pairing mode.

When the button is released, the module will enter pairing mode and will attempt to make a connection to the hub.

Note: We have seen instances where on the first connect to the hub, the hub will determine that it no longer has bond information and will automatically disconnect before parameters are sent. The module will then re-attempt a connection attempt 1 minute later and this time, the connection will succeed.

Pairing mode will be ignored in certain modes such as the connected mode.

Factory Reset

If the button or magnetic switch is engaged for 4 seconds, the device will perform a factory reset. When a factory reset is performed, any settings and bond information are erased from the module. In addition, the module will restart in a mode where it attempts to detect the dispenser type.

Defaults

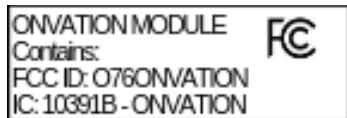
The default settings for the module board are as follows:

Synchronization Interval: 60 minutes (may be set to any value [30-720])

Dispense Count Threshold: 50 dispenses (may be set to any value [5-255])

Device Compliance

Onvation Module FCC/IC Label



Please include on dispenser packaging or enclosure the following:

"Contains FCC ID: O76ONVATION, IC: 10391B-ONVATION"

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

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

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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.