

IoT Communication Card Installation Manual

WARNINGS

Please read and adhere to these notes. Failure to do so could result in personal injury, risk of fire or smoke and/or property damage.

- Install the product according to installation instructions.
- Install the product in the correct vertical orientation.
- Do not use or operate the product with it's covers removed.

COMMISSIONING PROCEDURE

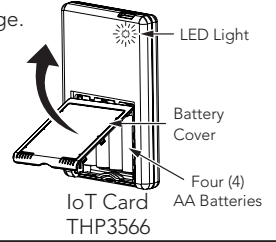
1. Remove the battery cover, and install the 4 AA batteries included in the package.

NOTE: Green LED light will blink to indicate that the IoT communication card is functioning.

* For Auto Soap Dispenser (ASD), batteries are used only for commissioning process. Batteries must be removed once commissioning is completed.

2. Commission the IoT communication card according to TOTO's Instructions.

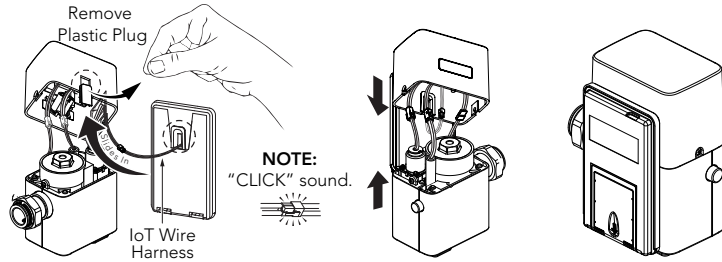
NOTE: The commissioning process needs to be completed within 3min after installing the batteries.



INSTALLATION PROCEDURE

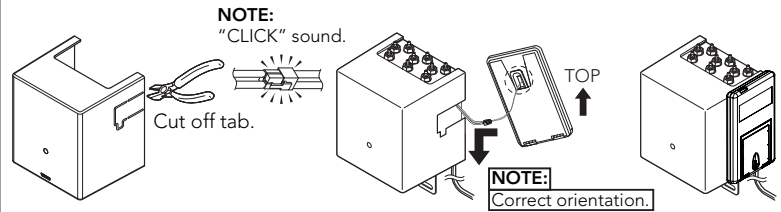
For Exposed EFV

1. Remove the flush valve top cover.
2. Remove the plastic plug from the cover.
3. Connect the IoT wire harness (black and white) to the commissioned IoT communication card. Listen for the "click" indicating a secure connection.
4. Slide the hook of the IoT communication card up into the notch of the top cover.
5. Hold the IoT communication card and top cover together and carefully guide into place onto the valve body.
6. Secure the top cover to the valve body.



For Touchless Soap Dispenser

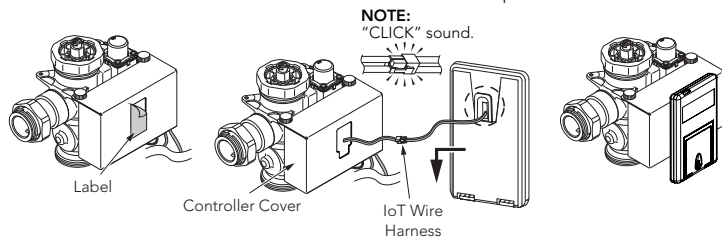
1. Remove the 4 AA batteries from the commissioned IoT communication card.
2. Remove the front cover.
3. Cut off the tab with a snipper and trim any burrs around the opening.
NOTE: Please take care when cutting so as not to damage the front cover. Please be careful of the burrs to prevent injury due to sharp edges.
4. Connect the IoT wire harness to the commissioned IoT communication card. Listen for the "click" indicating a secure connection.
5. Slide the hook of the IoT communication card sideways into the side opening of the controller cover.
6. Reattach the front cover.



For Concealed EFV

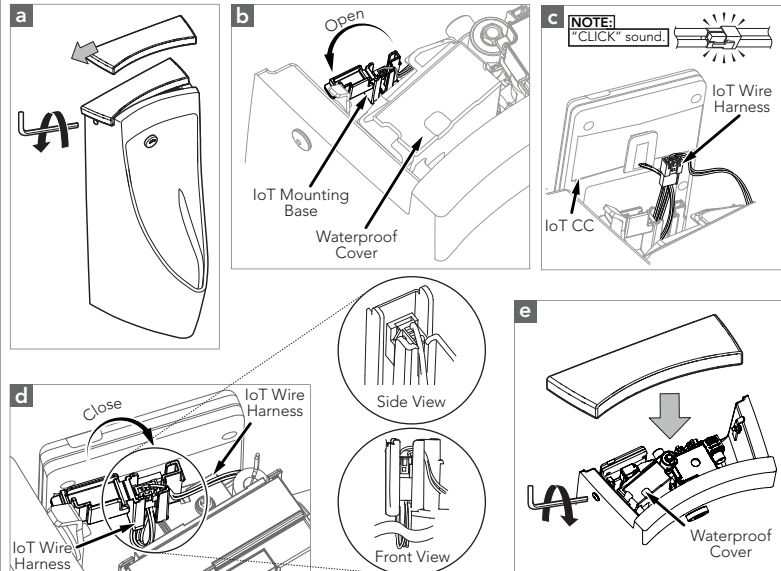
1. Remove the label on the flush valve controller cover.
2. Connect the IoT wire harness (black and white) to the commissioned IoT communication card. Listen for the "click" indicating a secure connection.
3. Guide the wire harness into the opening.
4. Slide the hook of the IoT communication card into the opening and seat it down into the notch.

NOTE: Make sure wire harness is secured. Do not pinch. Do not kink.



For Integrated Urinal

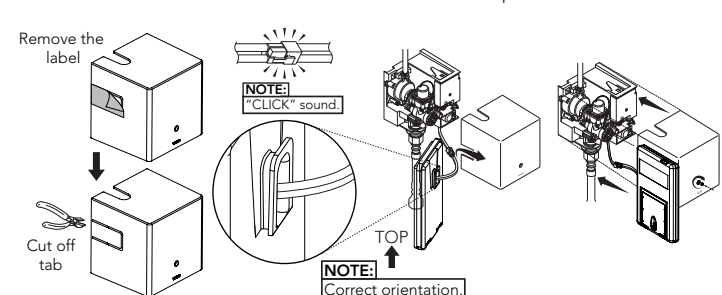
1. Remove the urinal lid (a).
2. Flip open the lid of the IoT mounting base. (When the lid is opened, there is a harness inside the IoT mounting base.) (b).
3. Take out the harness from the IoT mounting base and connect it to the commissioned IoT communication card (c).
4. Slide the hook of the IoT communication card into the IoT mounting base. (d).
5. Insert the connector into the IoT mounting base. (d).
6. Close the lid of the IoT mounting base. (d).
7. If you removed the waterproof cover to perform the work, or if it is detached, return the waterproof cover to its original position (e).
8. Reinstall the urinal lid (e).



For Touchless Faucet

1. Remove the front cover.
2. Remove the label to expose the knockout tab. Cut off the tab with a snipper and trim any burrs around the opening.
NOTE: Please take care when cutting so as not to damage the front cover. Please be careful of the burrs to prevent injury due to sharp edges.
3. Connect the IoT wire harness (black and white) to the commissioned IoT communication card. Listen for the "click" indicating a secure connection.
4. Slide the hook of the IoT communication card sideways into the side opening of the controller cover.
5. Reattach the front cover.

NOTE: Make sure wire harness is secured. Do not pinch. Do not kink.



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MAINTENANCE WARNINGS

Follow these instructions carefully. Failure to do so could result in personal injury, risk of fire, smoke and/or property damage.

- Handle the product with care when performing maintenance.
- DO NOT pull, twist or damage the wires or connectors. Risk of product malfunction.
- NEVER splash water on the components. This is an electrical device. DO NOT get the components wet. Risk of product malfunction.

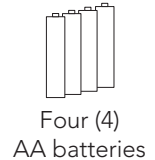
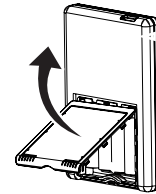
Follow these instructions carefully. Failure to do so could cause incorrect data reporting.

- Each daughter card has been electronically paired to a specific valve. DO NOT MIX UNPAIRED SIMILAR COMPONENTS EVEN WHEN VISUALLY IDENTICAL.
- When providing maintenance, please keep track of paired components.
- Make sure paired daughter card reconnects to its exact corresponding paired valve.
- Failure to reconnect corresponding paired components will result in product malfunction.

MAINTENANCE INSTRUCTIONS

Replacing the batteries:

1. Detach the IoT communication card from the product.
2. Remove the battery cover to access the batteries.
3. Remove the four (4) AA batteries and replace with four (4) new AA alkaline batteries.
4. Install the battery cover back to securely lock the batteries in position.
5. Reattach the communication card to the product.



REGULATORY STATEMENTS

FCC:

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.

FCC Interference Statement Part 15.105 (b)

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 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.

To comply with FCC and Industry Canada RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 43mm from all persons and must not be operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures..

Industry Canada:

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.

Cet appareil est conforme avec Industrie Canada, exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: 1) ce dispositif ne peut pas causer d'interférences. et 2) ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.