ATTENTION OWNER: THESE ARE THE TERMS OF YOUR LIMITED WARRANTY

Shain Flushmate (the “Company”) warrants the INTELLI-Flush® Automatic Flushing System (“the Unit”) to be free of defects in material and workmanship for a period of one (1) year from the date of purchase and the Company promises to provide a replacement for any part of this product that proves, upon our inspection and within one year from date of purchase, to be defective in material or workmanship. All labor and transportation costs or charges incident to warranty service are to be borne by the purchaser/user. This limited warranty does not cover the life of the batteries and is subject to the following:

Specific Conditions to Limited Warranty

1. Warranty Registration and battery must be completed and mailed by the purchaser/owner to the Company within thirty (30) days of the date of purchase. Product may also be registered online at www.flushmate.com or by calling 800-533-3460.
2. The unit has been subjected to proper installation, operation and maintenance as outlined in the Installation Instructions that were supplied with the unit. Note carefully that this warranty is void if the unit is installed on anything other than 3/8” or 1/2” water lines.
3. Service and repairs may only be performed by authorized representatives of the Company or by others specifically approved by the Company. Unauthorized repairs or alterations shall specifically void the warranty.

4. USE OF PETROLEUM-BASED LUBRICANTS OR CORROSIVE CLEANING PRODUCTS CONTAINING CHLORINE, SUCH AS HOUSEHOLD BLEACH, DROP IN BLOCKS OR TABLETS, OR DISINFECTANTS THAT ARE APPLIED INSIDE THE CHINA-HOLDING TANK WILL VOID YOUR INTELLI-Flush® WARRANTY.

5. PROOF OF PURCHASE IS REQUIRED.

6. THIS UNIT SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, FOR DAMAGES RESULTING FROM IMPROPER INSTALLATION, OR FOR DAMAGES CAUSED BY NEGLECT, ABUSE OR ALTERATIONS. ALL IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE ARE LIMITED TO A PERIOD OF ONE (1) YEAR FROM DATE OF PURCHASE. Some states do not allow limitations on the duration of an implied warranty and some states do not allow exclusions or limitations regarding incidental or consequential damages so the above limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state. No person is authorized to add to, change, or create any warranty or obligation other than that set forth herein. To obtain warranty service, contact Consumer Services toll free 800-USA, Canada, and Mexico 865-533-3460 or visit us at flushmate.com.


8. Flushmate® and SNOKE IN TANIN

FLUSHMATE INTELLI-Flush™ AUTOMATIC FLUSHING SYSTEM Installation Instructions MODEL I & K-100

**COMPONENTS**

Tools Required: Phillips and slotted screwdriver, pliers and ruler.

- A) Flush Module
- B) Battery Pack
- C) Battery Holder
- D) Overflow Cover
- E) Close Key
- F) 1½-Wide Depth Gauge Sensor Tool
- G) Screws & Anchors (2)
- H) Coat Hanger (4)
- I) All-cell Alkaline batteries (4)
- J) On-Wall Sensor
- K) Adapter
- L) Mounting Screws (8)

The Sensor and Flush Module contained within this kit have been programmed to work together as received and will not function properly if taken apart or reassembled otherwise. Not designed for use with corner flush button looks.

**STEP 1**

1. Remove retainer clips, (image 1), flush ring, (image 2), and handle, (image 3). (Note: reserve threads on handle)

**STEP 2**

1. Install Overflow Button (2), (image 4). Mount appropriate Adapter & M if needed, (image 5).
2. Place Flush Module (A) in position over Actuator (image 6). (Actuator is the centered white disk with Phillips screw in center) If using Adapter, (image 7) note the positioning of the Flush Module (A) wire, (image 6 & 7).
3. Insert 1½-Wide Depth Gauge Sensor Tool (F) into hole of Flush Module (A), (image 8). Adjust Actuator by loosening set screw and turning Actuator to proper height according to depth gauge, so that yellow ring on depth gauge aligns with top of Flush Module (A), (image 9). Tighten set screw on Actuator.
4. Attach the Flush Module (A) with 4 screws, (image 10). For the 501-B Adapter (M), (8) screws are required.

**STEP 3**

1. Plug Overflow Button (E) wire into Flush Module (A), (image 11).
2. Remove Battery Pack B (image 13), Install 2 new batteries, (image 13), noting the battery polarity (+) printed on pack. Restack cover on Battery Pack B, (image 14). Place Battery Pack B in Battery Holder C, (image 15). Hang Battery Holder (C) on top edge of china tank and connect the Flush Module (A) wire to the Battery Pack B. Slide rubber boot over connection, (image 16). (Using the Battery Holder (C) is optional. If there is ample space, you can place it anywhere in the tank as long as the wire is not being stretched.)

**STEP 4**

1. Center sensor wire 0.125" above the seat in up position, (image 17). Attach to wall using adhesive strips and screws & anchors (5), Note the orientation of the sensor, (image 17). WARNING: Adhesive strips can only be applied once, once installed it is difficult to remove.
2. Remove cover using key, (image 18) and install (4) aluminum batt. Readback sensor cover. To adjust sensor range see Step 5.

**STEP 5**

1. Set sensor to distance (0.5) on top of sensor and press down on sensor until flush 5 seconds at 24 Hour switch is on position. To stop flushing. (image 19).
2. Remove the screw seal located on the left side of the lens. (image 19).
3. Press sensor range reset button shown above (image 19).
4. Place your hand on the required wait activation distance (max: range) 1 to 6 (image 19).
5. Hold a while a piece of user is in front of the sensor. Slowly back the paper away until the green light stops. Determine if the sensor range needs to be adjusted Near or Far (max range = 40”).
6. Use the sensor adjustment tool to turn Object Detection (OD) Sensor Screw an needed until the green flashes with the piece of paper held at the proper range.
7. Ensure Object Sensor is not detecting unidentified objects by stopping out of the sensor path making sure that the green light is not flashing. If sensor looks onto an unwanted object, unit will not flush properly. Make sure sensor cover.
8. After the 7-minute reset period, the green light will turn on when your hand is in view.

**STEP 6**

1. Remove the cover using Close Key, (image 1). For On-Wall sensor, remove cover rubber concealing the reset button and adjust antenna screws.
2. Depress the sensor range reset button, (image 19). During the 7-minute start up sequence the green light flashes constantly when a user is in view.
3. Using the Sensor Tool, (image 19), if the sensor range adjustment screw, (image 19) counter-clock wise, shortening the sensor range, until the green light stops flashing while you are standing at the front rim of the bowl. Slowly turn the sensor range adjustment screw clockwise until the green light flashes while standing at the front of the bowl.
4. Reinstall rubber cover on On-Wall sensor and re-attach the cover.

**MODES OF OPERATION**

**PROBLEM**

Green light flashes continuously

3 times when there are no objects

**CAUSE**

Object Sensor is not detecting any object. The sensor is detecting a light signal shunting the light. (image 20).

**SOLUTION TO PROBLEM**

Replace batt. Use Dry Alkaline batteries

**OBJECT LOCK SENSOR**

Detects user or object.

**BATTERY LIGHT**

Yellow light flashes indicating it is time to replace the batteries.

**USER IN VIEW LIGHT - Green light flashes 3 times after 5 second after user leaves sensing zone (32”) factory setting). For immediate flush, flush paper can be placed in front of sensor...

USER IN VIEW LIGHT - Green light flashes 3 times after 5 second after user leaves sensing zone (32”) factory setting).

2 hand wave actuation (BOC). Toilet will flush 5 seconds after patron leaves sensing zone (32”) factory setting).

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20-24 hours night flush feature (switchable ON/OFF). Factory setting off...the sensor can be set to automatically flush the toilet every 24 hours from the last flush. Recommended for commercial installation. To activate, push the 24-hour switch to ON position.

Troubleshooting

Troubleshooting

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Green light flashes continuously

3 times when there are no objects

CAUSE

Object Sensor is not detecting any object. The sensor is detecting a light signal shunting the light. (image 20).

SOLUTION TO PROBLEM

Replace batt. Use Dry Alkaline batteries

OBJECT LOCK SENSOR

Detects user or object.

BATTERY LIGHT - Yellow light flashes indicating it is time to replace the batteries.

USER IN VIEW LIGHT - Green light flashes 3 times after 5 second after user leaves sensing zone (32”) factory setting).

The green light continues to flash until the user is in view during the seven minute reset period. This allows you to select the correct range.

Hold a while a piece of user is in front of the sensor. Slowly back the paper away until the green light stops. Determine if the sensor range needs to be adjusted Near or Far (max range = 40”).

Use the sensor adjustment tool to turn Object Detection (OD) sensor screw an needed until the green flashes with the piece of paper held at the proper range.

Ensure Object Sensor is not detecting unidentified objects by stopping out of the sensor path making sure that the green light is not flashing. If sensor looks onto an unwanted object, unit will not flush properly. Make sure sensor cover.

After the 7-minute reset period, the green light will turn on when your hand is in view.

20-24 hours night flush feature (switchable ON/OFF). Factory setting off...the sensor can be set to automatically flush the toilet every 24 hours from the last flush. Recommended for commercial installation. To activate, push the 24-hour switch to ON position.

4 hand wave actuation (BOC). Toilet will flush 5 seconds after patron leaves sensing zone (32”) factory setting).

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