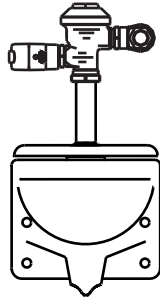
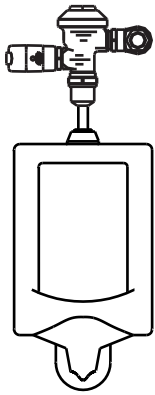


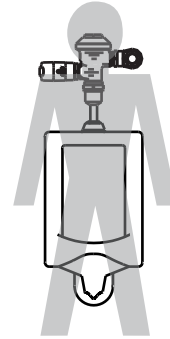


HSM-801 Series

# HYBRIDFLUSH<sup>®</sup> SIDEMOUNT for Urinals and Toilets Installation and Operation Manual



User Approaches



Senses User



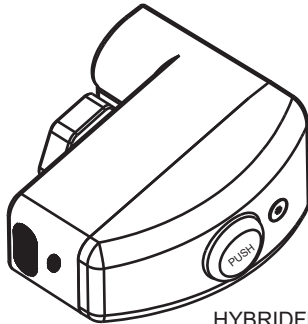
Flushes When User Leaves

The HYBRIDFLUSH<sup>®</sup> sends out an infrared beam that senses a user on a urinal or toilet. Once the user walks away from the fixture the unit triggers the fixture to flush automatically. The unit's unique design includes two manual flush buttons (one electronic and one mechanical) to allow for a courtesy manual flush option and for continuous manual activation when batteries are drained.

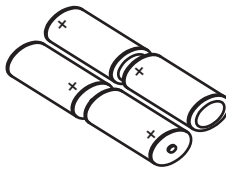
## I HYBRIDFLUSH<sup>®</sup> Components



Collar Gasket



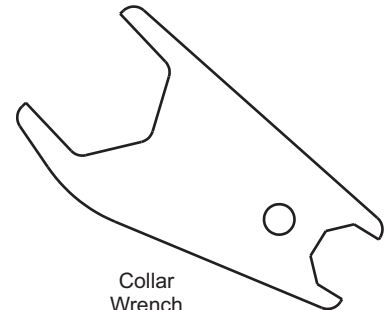
HYBRIDFLUSH<sup>®</sup> Unit



Four (4) "C" Cell Alkaline Batteries (Factory Installed)



Battery Compartment Wrench



Collar Wrench

## 2 Installation

### Pre-Installation Note:

Although not necessary, it is recommended to shut off water supply at stop.

**A** Using the supplied collar wrench, loosen handle from flush valve.

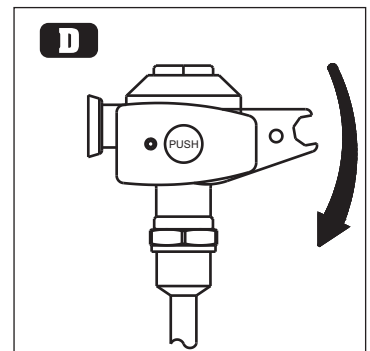
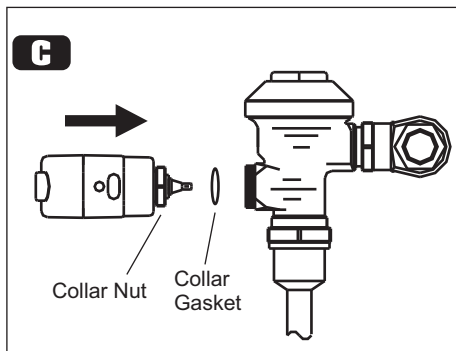
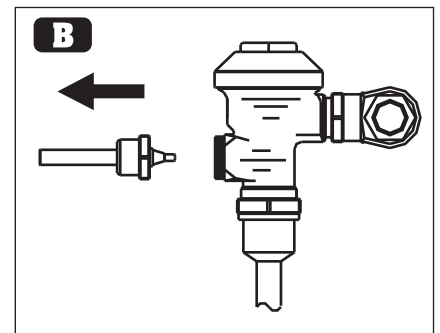
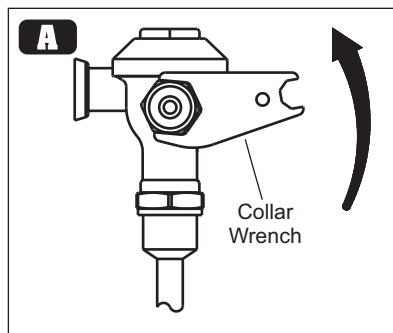
**B** Remove handle from flush valve.

**Note:** A small amount of water may drip out while removing handle so be prepared to collect it with a rag or towel.

**C** Place collar gasket into collar nut and attach the HYBRIDFLUSH<sup>®</sup> unit where the handle was removed.

**D** Tighten collar nut using the supplied collar wrench.

**Note:** Save removed handle in case you need to reuse for service of HYBRIDFLUSH<sup>®</sup> unit.



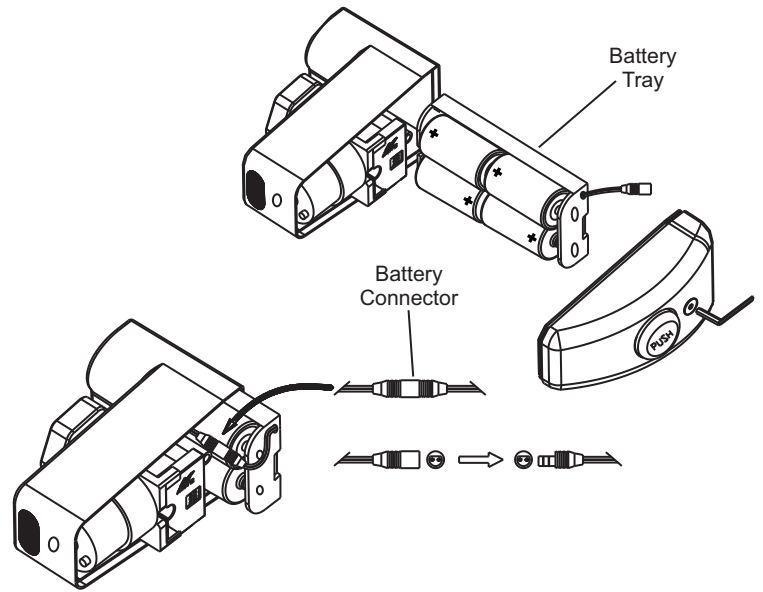
### 3 Activation

**Note:** Four (4) “C” Cell batteries are factory installed inside the HYBRIDFLUSH® unit. The unit is shipped from factory with battery tray unplugged and must be plugged in to activate.

To activate the HYBRIDFLUSH® unit:

- A - Using supplied battery compartment wrench, remove side cover.
- B - Plug in battery connector.
- C - Reinstall side cover using battery compartment wrench.

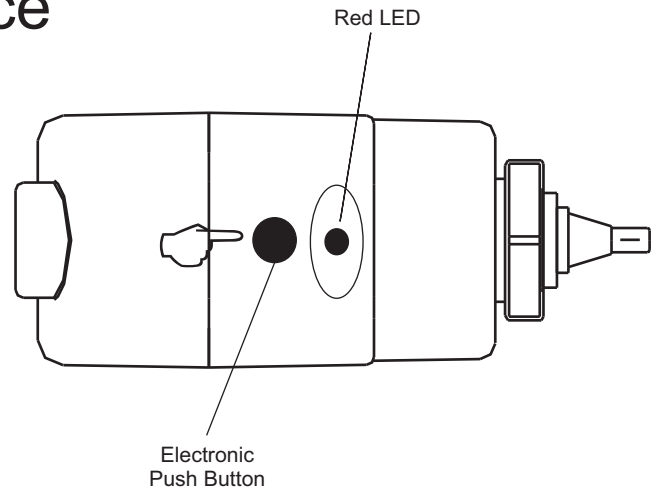
**Note:** The HYBRIDFLUSH® unit comes preset from the factory. If special circumstances require adjustments, see STEP 4 “Adjusting Sensor Distance” and/or see STEP 5 “Adjusting Modes of Operation”.



### 4 Adjusting Sensor Distance

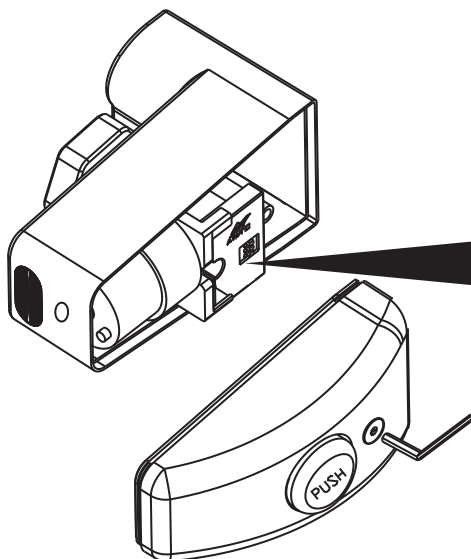
- A - Press and hold electronic push button until you see a blinking red LED in sensor window (unit will flush once). Release electronic push button, wait one second, then press and release electronic push button once again. Unit will go into setup mode.
- B - While in setup mode, stand at desired distance (red LED will continuously blink as long as you are within the allowed sensor range).
- C - Remain at desired distance until red LED becomes solid (unit will flush once).

Sensor distance is now locked at the new setting.



### 5 Adjusting Modes of Operation

The HYBRIDFLUSH® unit includes different modes of operation. Remove side cover using battery compartment wrench and refer to the “Mode Adjustment Guide” for switch settings (see diagram below). The “Mode Adjustment Guide” can also be found on the inside of side cover for your convenience.



#### Mode Adjustment Guide

■ = Switch

ON	■
OFF	□

ON	■	■	■
1	■	■	■
2	■	■	■
3	■	■	■
ON	■	■	■

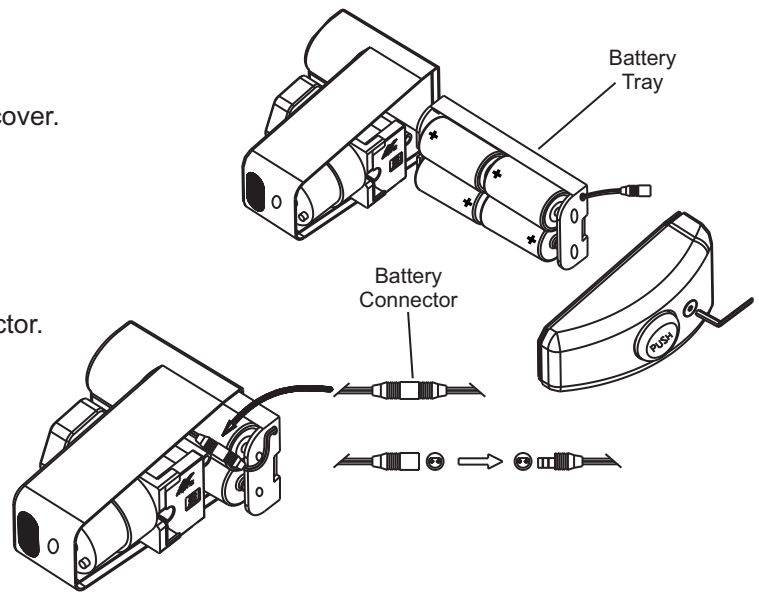
**Switch 1 : Water Saver**  
OFF - Flushes after every user  
ON - Flushes after every other user

**Switch 2 : 24 Hour Flush**  
OFF - None  
ON - Flushes once every 24 hours after last user

**Switch 3 : Flush Delay**  
OFF - 3 seconds delay before activating a flush  
ON - No delay

# 6 Battery Replacement

- A - Using supplied battery compartment wrench, remove side cover.
- B - Slide out battery tray and disconnect battery connector.
- C - Remove old batteries from tray and load new batteries (note position of batteries in tray).
- D - Reinstall battery tray into unit and reconnect battery connector.
- E - Reinstall side cover using battery compartment wrench.

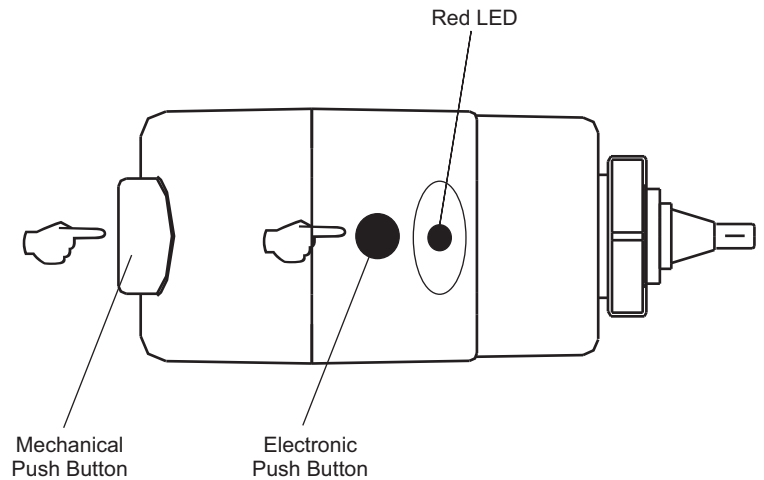


## Visual Indicator Guide

**Red LED** - Constant blinking red LED indicates batteries are low and need replacing.

**Electronic Push Button** - Allows manual activation of flush when needed.

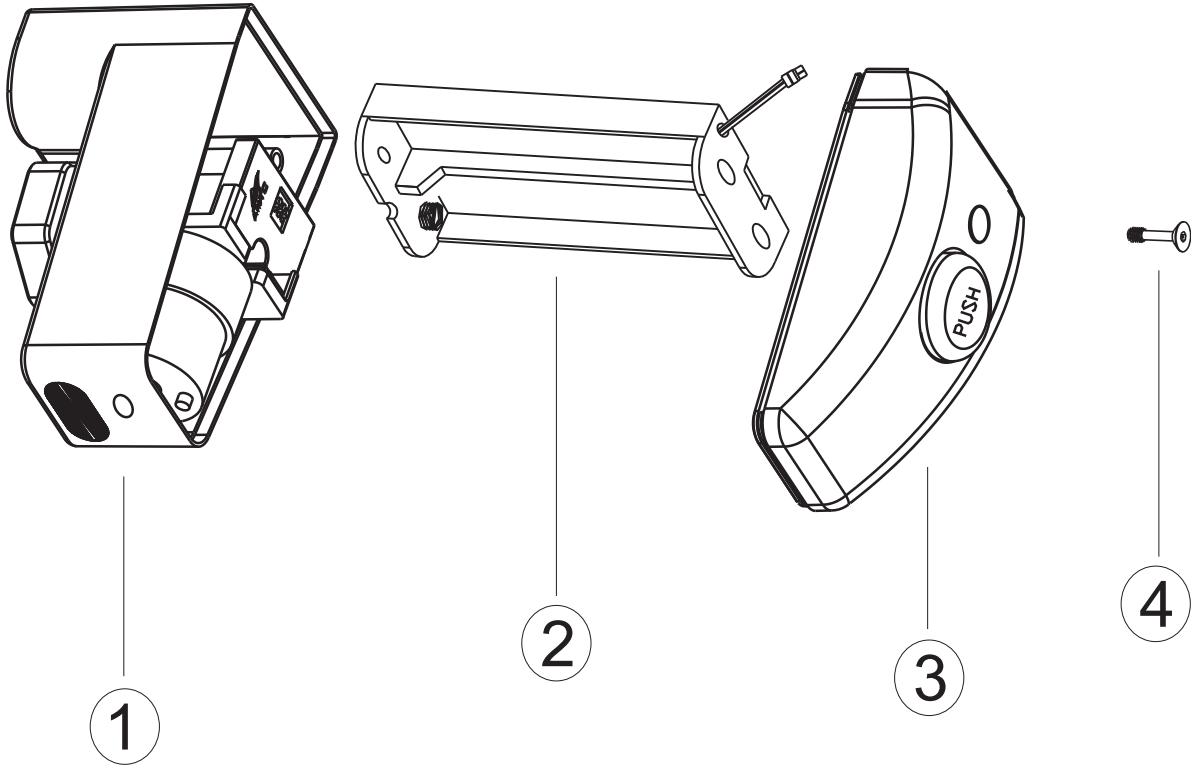
**Mechanical Push Button** - Allows manual activation of flush when needed and when batteries are drained.



## Troubleshooting Guide

PROBLEM	CAUSE	SOLUTION
Fixture falsely activates.	Sensor distance may be set too far and registering the opposite wall or door as a user.	Adjust sensor distance (see STEP 4 "Adjusting Sensor Distance").
Constant blinking red LED.	Batteries need replacing.	Replace batteries (see STEP 6 "Battery Replacement").
Not enough water to fixture or too much water to fixture.	Diaphragm damaged. Valve control stop improperly adjusted.	Replace diaphragm. Adjust valve control stop.
Valve will not operate.	Sensor range may be set too close. Batteries are drained. Water supply is turned off. Relief valve (diaphragm plunger) is damaged.	Adjust sensor. Replace batteries. Turn water on. Replace relief valve (diaphragm plunger). If the unit does not begin to function, call customer service at 1-800-874-7822.
Valve does not shut off.	Dirt or debris preventing diaphragm from functioning properly.	Remove dirt or debris on diaphragm. Replace Diaphragm.
Valve does not flush even after sensor has been adjusted.	Batteries are drained.	Replace batteries. If the unit does not begin to function, call customer service at 1-800-874-7822.

# Parts List



Ref. #	Part #	Description
1	HSM-AA	HYBRIDFLUSH Sidemount Actuator Assembly
2	HSM-BT	HYBRIDFLUSH Sidemount Battery Tray
3	HSM-SCA	HYBRIDFLUSH Sidemount Side Cover Assembly
4	HSM-SCS	HYBRIDFLUSH Sidemount Side Cover Screw

# WARRANTY

AMTC WARRANTS ITS PRODUCTS TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF FIVE (5) YEARS FROM DATE OF PURCHASE, WHEN PROPERLY INSTALLED AND UNDER NORMAL USE AND SERVICE. THESE PROVISIONS DO NOT INCLUDE THE BATTERIES SHIPPED WITH THE PRODUCTS. A DEFECTIVE PRODUCT MAY BE RETURNED TO AMTC OR ITS AUTHORIZED REPRESENTATIVES WITHIN FIVE (5) YEARS FROM DATE OF PURCHASE WITH THE PROPER INVOICE OF PURCHASE. AMTC AT ITS DISCRETION WILL REPLACE OR REPAIR DEFECTIVE PRODUCT AT NO CHARGE. CLAIMS FOR LABOR, TRANSPORTATION, AND ANY OTHER INCIDENTAL COSTS WILL NOT BE ALLOWED. AMTC WILL NOT BE RESPONSIBLE FOR ANY CONSIDERABLE DAMAGES OF ANY KIND WHATSOEVER.

FOR TECHNICAL SUPPORT PLEASE CALL TOLL FREE 1-800-874-7822 OR VISIT OUR WEBSITE AT [WWW.AMTCORPORATION.COM](http://WWW.AMTCORPORATION.COM)

MAKE SURE TO VISIT OUR WEBSITE PERIODICALLY FOR INFORMATION ON NEW PRODUCTS AND TO DOWNLOAD ANY IMPORTANT PRODUCT DOCUMENTS THAT YOU MAY NEED IN THE FUTURE.



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