

Caroma ^{inspire} Electronic Flush Valve - Series II

User Manual

The Caroma Electronic Flush valve – Series II has several modes to allow the installer to configure the device, as well as monitor its performance and assist in servicing of the product.

Please ensure that the product has been installed according the supplied Installation Instructions.

Note: All changes to the unit's settings will be retained in the event of a power outage.

Flush Volume Setting

Default: 0.8L per Flush at 300kPa Supply Pressure.

Allow the installer to select the unit's flush volume.

- Press & HOLD  Button for **1 second** to **CYCLE** through the preset volumes, in the following sequence:



0.8L (Default)	2 Flashes
1.0L	3 Flashes
1.5L	4 Flashes
2.0L	5 Flashes
0.5L	1 Flash

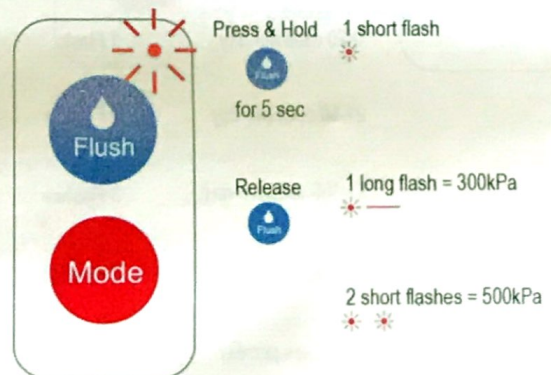
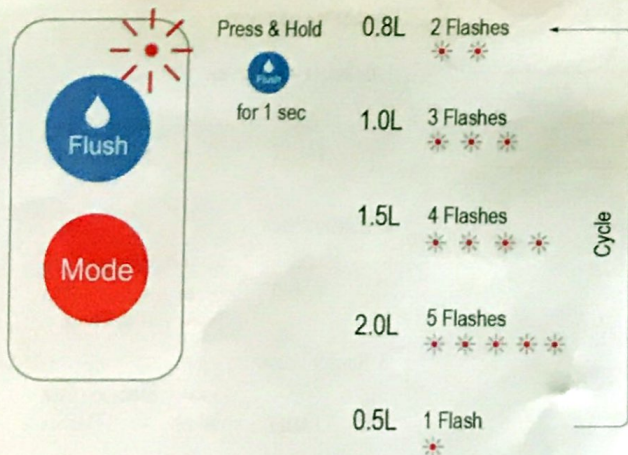
- The indicator LED will flash to indicate the selected Flush Volume.

Inlet Pressure Setting

Default: 300kPa Supply Pressure


This setting will allow the installer to select the current water supply pressure to the unit. This information is used by the controller to determine the duration required to achieve the preset Flush Volume.

- Press and HOLD  button for **5 seconds** to enter Pressure Setting function.
- The indicator LED will activate once for 5 seconds to acknowledge that the Pressure Setting function has been selected.
- Release the button.
- The LED will flash to indicate the current pressure setting:
300kPa = 1 LONG Flash; 500kPa = 2 SHORT Flashes
- Press & HOLD  button for 5 seconds to **CYCLE** through the two preset pressure settings; 300kPa (DEFAULT) and 500kPa.
- Release the button.
- The LED will flash to indicate the selected pressure setting:
300kPa = 1 LONG Flash; 500kPa = 2 SHORT Flashes

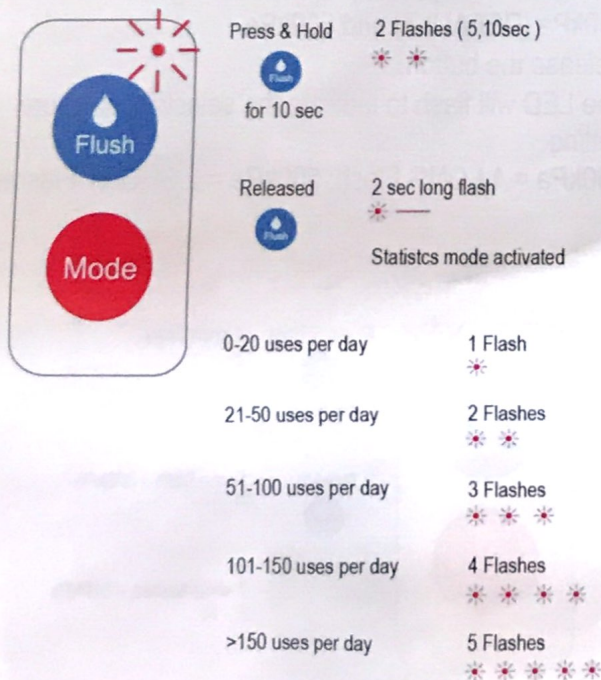


Usage Statistics Mode

Allows the installer to identify the number of uses the product has experienced per day during the previous 30 day period.


- Press and HOLD  button for **10 seconds** to enter Usage Statistics mode.
- Whilst holding the button, the indicator LED will flash once after 5 seconds, and then flash again at 10 seconds.
- Release the button.
- The indicator LED will activate for 2 seconds to acknowledge that Statistics Mode has been activated.
- The indicator LED will now flash in a sequence to indicate the number of uses the unit has experienced during the previous 30 day period.

0-20 uses per day	1 flash
21-50 uses per day	2 flashes
51-100 uses per day	3 flashes
101-150 uses per day	4 flashes
Greater than 150 uses per day	5 flashes



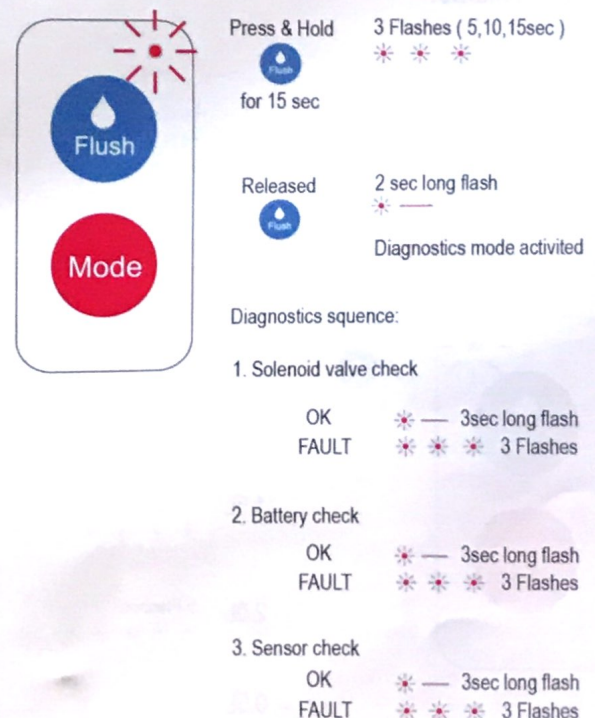
Diagnostic Mode:

The controller can perform internal diagnostic checks of the main system components and display their current status.

- Press and HOLD  button for **15 seconds** to enter Diagnostics mode.
- Whilst holding the button, the indicator LED will flash once after 5 seconds, then again at 10 seconds and again at 15 seconds.
- Release the button.
- The indicator LED will activate for 2 seconds to acknowledge that Diagnostics Mode has been activated.
- The controller will check, in the following sequence, the status of these components:
 - Solenoid
 - Battery
 - Sensor

The controller will provide feedback for each component by flashing the indicator LED in the following sequence:

1 LONG flash (3 seconds) indicates component is **OK**.
3 SHORT flashes indicate an **FAULT**.




Setting: Usage Duration

Default: 5 seconds.

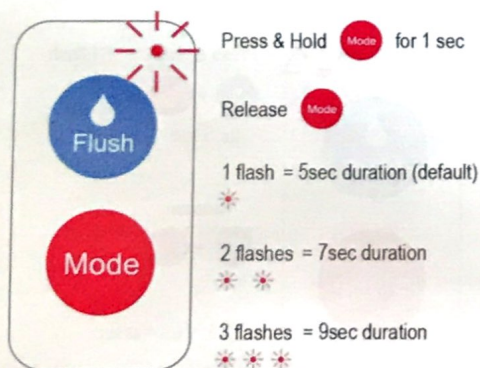
The sensor will sense urinal usage for a pre-determined duration before sending a signal to the flush valve. This duration can be changed if required.

Duration:

- ❖ The (Default) **short** duration (5 seconds) should be sufficient for most installations and can be specified if a small amount of urine is required to activate the valve.
- ❖ A **medium** duration (7 seconds) can be selected to minimise accidental flushes.
- ❖ A **long** duration (9 seconds) can be selected in sub optimal environmental conditions such as small rooms without ventilation or poor drainage.

- Press and hold  button for **1 second** to **CYCLE** through the Sensor Duration settings.
- The indicator LED will flash to confirm the current Duration setting.

Short Duration (5 seconds):	1 Flash
Default Duration (7 seconds):	2 Flashes
Long Duration (9 seconds):	3 Flashes




Setting: Stadium Mode

Default: **ENABLED**.

To conserve water in **HIGH FREQUENCY** usage environments (i.e.: 5 uses in less than 60 seconds), the product will automatically switch to water conserving "Stadium Mode".

When in the unit has entered Stadium Mode, it will activate a flush at regular intervals of 180 seconds, regardless of the number of uses it receives during this period.

If there is no further use within a period of 180 seconds, the unit will automatically switch back to its Default operation.

- Press and HOLD  button for **5 seconds** to set the STATUS of Stadium Mode.
- The indicator LED will indicate that current status for Stadium Mode:
ENABLED (1 LONG flash) or
DISABLED (2 SHORT flashes).




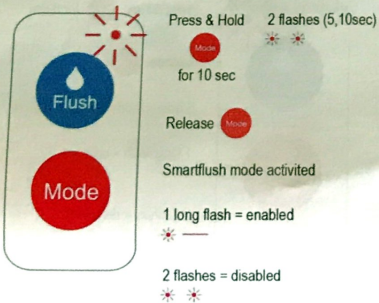
“Smart Flush” Mode

Default: **DISABLED**.

A new water saving mode “Smart Flush” is available to minimise the product’s water usage. During normal use (i.e.: a minimum of 10 minutes between uses) the water will flush after every use.



With Smart Flush mode enabled, the unit will monitor the use of the urinal. If the unit detects a higher usage rate during the period, the unit will:

- ❖ On the next immediate use, activate a flush.
 - ❖ Any subsequent use within a **10 minute** period, activate a flush.
 - ❖ Then, if no further flushes occur after **10 minutes**, a flush will only be activated after **1 hour or 20 uses** (whichever comes first).
- “Smart Flush” mode can be manually **ENABLED** or **DISABLED** by pressing and holding the  button for **10 seconds**. The indicator LED will flash at 5 seconds, and again at 10 seconds.
 - Release the button.
 - The indicator LED will indicate confirm that the “Smart Flush” Mode is: **ENABLED** (1 LONG flash) or **DISABLED** (2 SHORT Flashes).



RESET : Factory Default Settings

This function will restore the unit to the factory preset defaults.

- Press & **HOLD** both buttons i.e.:  +  **SIMULTANEOUSLY** for **5 seconds**.
- The LED will flash once.
- Release the buttons.
- The indicator LED will **flash 2 times** to acknowledge that the unit has been reset to the default settings.

Default Settings:

- ❖ **Flush Volume: 0.8 l/flush**
- ❖ **Inlet Pressure: 300 kPa**
- ❖ **Usage Duration: Short (5 seconds)**
- ❖ **Stadium Mode: ENABLED**
- ❖ **Smart Flush Mode: DISABLED**

