# **User Guide**

# Infrared Configuration Unit (ICU)

The ICU provides advanced configuration of the Cistermiser range of infrared activated washroom products.

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#### Inserting and Replacing Batteries

The ICU uses 2 AAA or I R03 Alkaline batteries. these must be installed before use. Always use new batteries of the same type. Install as indicated in the battery compartment on the rear of the ICU.

Please note: Batteries should be replaced when the signal of the ICU becomes weak and it becomes difficult to activate either Cleaning or Configuration Mode.



# Direct Flush Configuration

## **Button Descriptions**

C Activates Cleaning Mode

Activates ICU Configuration Mode

Decreases setting

+ Increases setting

**OK** Checks the setting being altered

SAVE Saves the changes and exits ICU Configuration Mode

QUIT Quits ICU Configuration Mode without saving changes

( Configures Sensor Range

2 Configures Flush Time

5 12hr Hygiene Cycle activation 7 Autorange setting of Sensor Range

8 Siphonic Trap refill activation

Resets to default factory settings



#### Direct Flush configuration

The ICU can adjust/activate the following settings on the Direct Flush: Sensor Range; Flush Time; 12hr Hygiene Flush and Siphonic Trap. The product must always be put into ICU Configuration Mode (see below) before any setting can be configured.

#### Activating ICU configuration mode

In order to activate ICU configuration mode with the ICU, it must be pointed at the Direct Flush sensor. Activation is most effective when the configuration button is held down as the ICU is brought close to the sensor. It can take up to 3 seconds for Direct Flush to sense the ICU. Direct Flush will return to normal operation if there

### are no button presses for 30 seconds. Configuring sensor range

Point the ICU at the Direct Flush sensor and press the sensor range button (the sensor blinks green). Decrease or increase the Sensor Range by pressing the + and - buttons and respectively. The sensor blinks red when the min or max value is reached. Press the OK button to check the Sensor Range setting - the sensor displays the current setting by flashing green, as indicated in the table below.



by pressing the SAVE button. Exit without saving by pressing the QUIT button. Configuring Sensor Range using the Autorange

Point the ICU at the Direct Flush sensor and press the Autorange button. Immediately stand clea of the sensor. Sensor blinks green for 5 seconds, then a steady green when setting complete. The sensor measures the background reflections and sets the Sensor Range to an appropriate setting. Save setting and exit the ICU Configuration Mode by pressing the WE button. Exit without saving by pressing the QUIT button.

### Point the ICU at the Direct Flush sensor and press

Configuring Flush Time

the Plush Time button (the sensor blinks green). Decrease or increase the Flush Time by pressing the + and - buttons respectively. The sensor blinks red when the min or max value is reached.

Press the OK button to check the Flush Time setting - the sensor displays the current setting by flashing green, as indicated in the table below.

umber of Flashes 1 2 3 4 Flush time (sec) 3 5 7 9 11

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the QUIT button.

#### Activating the 12hr Hygiene Flush Cycle

Point the ICU at the Direct Flush sensor and press the 请 Hygiene Cycle button (the sensor blinks green). Pressing the + and - buttons switches the Hygiene Flush function on or off respectively. Press the OK button to check the setting - the sensor flashes green once if function is off or twice if it is on.

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the QUIT button.

#### Activating the Siphonic Trap refill function

Point the ICU at the Direct Flush sensor and press the Siphonic Trap button (the sensor blinks green). Pressing the + and - buttons switches the Siphonic Trap refill function on or off respectively. Press the OK button to check the setting - the sensor flashes green once if function is off or twice if it is on.

Save setting and exit the ICU Configuration Mode by pressing the WE button. Exit without saving by pressing the OUT button.

#### Reset to factory settings

Point the ICU at the Direct Flush sensor and press the Reset button (the sensor blinks green). This sets all settings to the default factory settings Save all settings and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the out button.

Activates ICU Configuration Mode

+ Increases setting

OK Checks the setting being altered

QUIT Quits ICU Configuration Mode without saving changes

( Configures Sensor Range

2 Configures part flush time

3 Configures cistern refill time

4 Toggles Wave function ON/OFF (Walkaway ONLY)

Resets to default factory settings

Point the ICU towards the Easyflush sensor and push the A configuration button. Activation is most effective when the configuration button is held down as the ICU is brought close to the sensor. Sensor blinks red when ICU is detected.

It can take up to three seconds for the product to sense the ICU. The Easyflush will return to normal operation if there are no button presses for 30 seconds.

#### Configuring Sensor Range

Point the ICU at the Easyflush sensor and press the sensor range button (the sensor blinks green). Decrease or increase the Sensor Range by pressing the + and - buttons respectively. The sensor blinks red when the min or max value is reached

setting - the sensor displays the current setting by flashing green; see table.

QUIT

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#### For Wave version





by pressing the SAVE button. Exit without saving by pressing the QUIT button.

umber of Flashes 1 2 3 4

# Easyflush Configuration

## **Button Descriptions**

C Activates Cleaning Mode

Decreases setting

SAVE Saves the changes and exits ICU Configuration Mode

5 12-hour hygiene cycle activation

6 Dual flush activation

7 Autorange setting of sensor range

8 Siphonic trap refill activation

# Entering Configuration Mode

### Press the **OK** button to check the Sensor Range

#### flushing (walkaway version only) Point the ICU at the Easyflush sensor and press the

button (the sensor blinks green). By default the hand wave function is on. Pressing the + and buttons switches the hand wave function on or off respectively. Press the OK button to check the setting - the setting flashes green once if the function is off or twice if it is on.

Configuring Part Time Flush

pressing the QUIT button.

height in the cistern.

Configuring Refill Time

flashing green, see table.

pressing the QUIT button.

Save setting and exit the ICU Configuration Mode

by pressing the SAVE button, Exit without saving by

Note: The full flush volume is set by setting the float

Point the ICU at the Easyflush sensor and press

the \* Refill Time button (the sensor blinks green)

Decrease or increase the Refill Time by pressing the

+ and - buttons respectively. The sensor

blinks red when the min or max value is reached.

Press the OK button to check the Refill Time

setting - the sensor displays the current setting by

Part flush time (sec) 0 20 40 60 80 100 12

Save setting and exit the ICU Configuration Mod

Activating and de-activating the hand wave

by pressing the SAVE button. Exit without saving by

Save setting and exit the ICU Configuration Mode by pressing the BAVE button. Exit without saving by pressing the QUIT button.

### Activating the 12hr Hygiene Flush Cycle

Point the ICU at the Easyflush sensor and press Point the ICU at the Easyflush sensor and press the Flush Time button (the sensor blinks the 肾 Hygiene Cycle button (the sensor blinks green). Decrease or increase the Part Flush Time by green). Pressing the + and - buttons switches pressing the + and - buttons respectively the Hygiene Flush function on or off respectively. The sensor blinks red when the min or max value is Press the OK button to check the setting - the reached. Press the OK button to check the Part sensor flashes green once if the function is off or Flush Time setting - the sensor displays the current twice if it is on. setting by flashing green, see table.

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by Number of Flashes 1 2 3 4 pressing the **QUIT** button. Part flush time (sec) 1 2 3 4 5

# Activating the Dual Flush function

Point the ICU at the Easyflush sensor and press the Dual Flush button (the sensor blinks green). Pressing the + and - buttons switches the Dual Flush function on or off respectively. Press the OK button to check the setting - the sensor flashes green once if the function is off or twice if

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the QUIT button.

#### Configuring sensor range using the autorange function

If the cubicle door is opposite the sensor, ensure that the cubicle door is closed or ajar, but not fully open. Point the ICU at the Easyflush sensor and press the 6 button.

Immediately stand clear of the sensor. Sensor blinks green for 5 seconds, then a steady green when setting complete. The sensor measures the background reflections and sets the sensor range to an appropriate setting.

Save setting and exit the ICU Configuration Mode by pressing the save button. Exit without saving by pressing the **QUIT** button.

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# Taps & Spouts Configuration

# **Button Descriptions**

C Activates Cleaning Mode

Activates ICU Configuration Mode

Decreases setting

+ Increases setting OK Checks the setting being altered

SAVE Saves the changes and exits ICU Configuration Mode

QUIT Quits ICU Configuration Mode without saving changes

( Configures Sensor Range 4 Configures run-on time

5 12hr Hygiene Cycle activation Resets to default factory settings



### Taps & Spouts Configuration

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The ICU can adjust/activate the sensor range, the run-on time and the 12hr hygiene cycle settings on the novatap, vectatap, novaspout and vectaspout. The product must always be put into ICU configuration mode before any setting can be configured.

#### Activating ICU Configuration Mode

In order to achieve ICU Configuration Mode with the ICU, it must be pointed at the sensor of the selected washroom product. Activation is most effective when the Config button is held down as the ICU is brought close to the sensor. It can take up to 3 seconds for the product to sense the ICU.

The washroom product will return to normal operation if there are no button presses for 30 seconds.

### Configuring Sensor Range

Point the ICU at the sensor and press the sensor range button (the sensor blinks green). Decrease or increase the Sensor Range by pressing the + and - buttons respectively. The sensor blinks red when the min or max value is reached. Press the OK button to check the Sensor Range setting - the sensor displays the current setting by flashing green, as indicated in the table below.

lumber of Flashes 1 2 3 4 Range (cm approx) 8 11 14 16 18

Save setting and exit the ICU Configuration Mode by pressing the SAVE button, Exit without saving by pressing the QUIT button.

#### Configuring Run-On Time

Point the ICU at the sensor and press the Run-On Time button (the sensor blinks green). Decrease or increase the Part Flush Time by pressing the \_\_\_\_ and \_\_\_ buttons respectively. The sensor blinks red when the min or max value is reached. Press the OK button to check the Run-On Time setting - the sensor displays the current setting by flashing green, see table.

lumber of Flashes 1 2 3 4 5 6 7 Run-on time (sec) 1 2 3 4 5 10 20 30

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the QUIT button.

#### Configuring the 12hr hygiene rinse cycle

Point the ICU at the sensor and press the 12hr hygiene rinse button (the sensor blinks green). Decrease or increase the hygiene time by pressing the + and - buttons respectively. The sensor blinks red when the min or max value is reached. Press the **OK** button to check the hygiene rinse time setting - the sensor displays the current setting by flashing green, see table;

umber of Flashes 1 2 3 4 5 Range (cm approx) 0 5 10 15 30 60

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the QUIT button.

### Reset to factory settings

Point the ICU at the Direct Flush sensor and press the Reset button (the sensor blinks green). This sets all settings to the default factory settings. Save all settings and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the our button.

# Easyflush Direct Configuration

### **Button Descriptions**

C Activates Cleaning Mode

Activates ICU Configuration Mode

**OK** Checks the setting being altered

SAVE Saves the changes and exits ICU Configuration Mode

QUIT Quits ICU Configuration Mode without saving changes

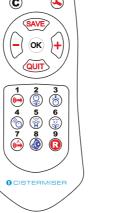
4 Configures hand wave

5 12hr Hygiene Cycle activation

7 Autorange setting of Sensor Range



Resets to default factory settings



### Entering Configuration Mode

Point the ICU towards the Easyflush Direct sensor and push the A configuration button. Activation is most effective when the configuration button For Wave version is held down as the ICU is brought close to the sensor. Sensor blinks red when ICU is detected. It can take up to three seconds for the product to sense the ICU. The Easyflush Direct will return to normal operation if there are no button presses for 30 seconds.

### Configuring Sensor Range

Point the ICU at the Easyflush Direct sensor and press the sensor range button (the sensor blinks green). Decrease or increase the Sensor Range by pressing the + and - buttons respectively. The sensor blinks red when the min or max value is reached.

Press the OK button to check the Sensor Range setting - the sensor displays the current setting by flashing green, as indicated in the table opposite.

umber of Flashes	1	2	3	4	5
ange (cm approx)	6	9	11	15	17
. Walkaway yaraian					

# Range (cm approx) 45 50 53 56 58

away version					
of Flashes	1	2	3	4	5

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the QUIT button.

### Activating the Dual Flush function

Point the ICU at the Easyflush Direct sensor and press the Table Dual Flush button (the sensor blinks green). Pressing the + and - buttons switches the Dual Flush function on or off respectively. Press the OK button to check the setting - the sensor flashes green once if the function is off or twice if

Save setting and exit the ICU Configuration Mode by pressing the WE button. Exit without saving by pressing the QUIT button.

#### Configuring sensor range using the autorange function

If the cubicle door is opposite the sensor, ensure that the cubicle door is closed or aiar, but not fully open. Point the ICU at the Easyflush Direct sensor and press the | button.

Immediately stand clear of the sensor. Sensor blinks green for 5 seconds, then a steady green when setting complete. The sensor measures the background reflections and sets the sensor range to an appropriate setting.

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the our button.

## Reset to factory settings

Enter into configuration mode. Point the ICU at the Easyflush Direct sensor and press the (a): the sensor blinks green once. This returns all settings to the default factory settings.

To save the setting and exit ICU configuration mode press the save button. The sensor will blink green for one second and then constant amber for three

To exit without saving press the out button. The sensor will blink red for one second and then constant amber for three seconds.

# Sensazone Configuration

## **Button Descriptions**

C Activates Cleaning Mode Activates ICU Configuration Mode

Decreases setting

+ Increases setting

OK Checks the setting being altered SAVE Saves the changes and exits ICU Configuration Mode

QUIT Quits ICU Configuration Mode without saving changes

( Configures Sensor Range 2 Light Threshold

👸 3 Fan Run-On Time

4 Configures Run-on Time 5 12hr Hygiene Cycle

 Resets to default factory settings

cleaning mode the Sensazone should be in normal sensor blinks green once. Decrease or increase the run-on time by pressing the - and + buttons operating mode. respectively. The sensor blinks green every time the Configuring light threshold\* or + is pressed and blinks red when the Enter into configuration mode. Point the ICU at the maximum value is reached. Press the OK buttor Sensazone and press the 2: the sensor blinks to verify the sensor setting: the sensor displays the green once. Decrease or increase the light threshold current setting by flashing green. by pressing the and buttons respectively

by pressing the SAVE button. The sensor will blink green for 1 second and then constant amber for 3 seconds. To exit without saving press the QUIT button. The sensor will blink red for 1 second then constant amber for 3 seconds.

on the individual sensor, other sensors in the system will keep their range.

#### Activating the 12 hour hygiene cycle

Enter into configuration mode. Point the ICU at the Sensazone and press the 🕌: The sensor blinks green once. Pressing the - and + buttons switches the hygiene function on or off respectively. Press the OK button to verify the setting: the sensor displays the current setting by flashing green. Single flash: hygiene cycle OFF.

Double flash: hygiene cycle ON.

constant amber for 3 seconds.

NB: Hygiene flush run-on time is 30 min. When connected to the interface module activating the hygiene cycle will be common across all sensors in the network.

Enter into configuration mode. Point the ICU at the

press the SAVE button. The sensor will blink green fo 1 second and then constant amber for 3 seconds.

NB: The fan run-on time is in addition to the occupancy run-on time. Changing the fan run-on time will be common across sensors in the network

constant amber for 3 seconds.

\* when SZ / LFC is connected.





duration by pressing the + and respectively. Press the OK button to check the

Decreases setting

+ Increases setting

( Configures Sensor Range

2 Configures full flush duration

6 Dual Flush activation

blinks green). Pressing the + and - buttons switches the hygiene flush function on or off respectively. Press the OK button to check the setting - the setting flashes green once if the function is off or twice if it is on.

Configuring the full flush duration

Point the ICU at the Easyflush Direct sensor and

press the Flush Duration button (the sensor

blinks green). Decrease or increase the full flush

full flush duration setting - the sensor displays the

Number of Flashes 1 2 3

Full flush time (sec) 2 3 4

Part flush duration will be automatically set at 0.6

x full flush duration. Save setting and exit the ICU

Configuration Mode by pressing the SAVE button.

Exit without saving by pressing the our button.

Activating and de-activating the hand wave

Point the ICU at the Easyflush Direct sensor and

press the houtton (the sensor blinks green). By

default the hand wave function is on. Pressing the

function on or off respectively. Press the button to

check the setting - the setting flashes green once if

Save setting and exit the ICU Configuration Mode

by pressing the WE button. Exit without saving by

Activating the 12 hour hygiene flush cycle

Point the ICU at the Easyflush Direct sensor and

press the W Hygiene Cycle button (the sensor

+ and - buttons switches the hand wave

flushing (walkaway version only)

the function is off or twice if it is on.

pressing the QUT button.

current setting by flashing green; see table.

Save setting and exit the ICU Configuration Mode by pressing the SAVE button. Exit without saving by pressing the our button.

## Activating Walk Test

the ICU at the Sensazone and press the button. The Sensazone will flash green every time it detects movement. This confirms that the unit is operating as it should be. After 2 minutes of no movement, the sensor returns to normal operation The product must be put into ICU configuration mode before any setting can be configured.

### **Activating Cleaning Mode**

Point the ICU at the Sensazone (in normal operation mode) and press the C Clean button. This will lock the solenoid valve(s) open or closed.

Normal operation (LED out)

clean button 4 times.

Repeatedly pressing the clean mode will cycle

press the 🔪 configuration button. Activation is most effective when the configuration button is held down as the ICU is brought close to the sensor. It can take up to 3 seconds for the product to sense the ICU. The Sensazone will return to normal operation if there are no button presses for 30

verify the sensor setting.

the Sensazone and press the 6 button: the

Single flash: minimum sensitivity setting Double flash: medium sensitivity setting

Save setting and exit the ICU configuration mode by pressing the SAVE button. The sensor will blink green for 1 second and then constant amber for 3 seconds. To exit without saving press the our button.

NB: Changing sensor sensitivity will only take effect on the individual sensor, other sensors in the system will keep their range.

When the Sensazone is in normal operation, point Point the ICU towards the Sensazone sensor and

1) Lock open indefinately (steady green LED) Lock closed indefinately (steady red LED)

Lock closed for 10 minutes (steady amber LED)

through the 4 states. If a delay of 4 seconds occurs after pressing the clean button, the valve(s) remain in that state. To return to normal operation press the

## Entering configuration mode

## Configuring sensor sensitivity (range)

Enter into configuration mode. Point the ICU at sensor blinks green once. Decrease or increase the sensor range by pushing the and buttons

respecitively. The sensor blinks green every time the or + is pressed and blinks red when the maximum value is reached. Press the OK button to

Triple flash: maximum sensitivity setting

#### Configuring occupancy (run-on) time Enter into configuration mode. Point the ICU at

the Sensazone and press the button: the

Single flash: minimum sensitivity setting. Double flash: medium sensitivity setting.

Save setting and exit the ICU configuration mode

NB: Changing sensor sensitivity will only take effect

then constant amber for 3 seconds. NB: Changing light threshold will only take effect on the individual sensor, other sensors in the system will keep their light threshold settings. Configuring fan run-on time\*

# Enter into configuration mode. Point the ICU at

Save setting and exit the ICU configuration mode by pressing the SAVE button. The sensor will blink green for 1 second and then constant amber for seconds. To exit without saving press the QUIT button. The sensor will blink red for 1 second then

> threshold setting; the sensor displays the current setting by flashing green.

### Reset to factory settings

Sensazone and press the Reset button: the sensor blinks green once. This returns all settings to the default factory settings.

To save the setting and exit ICU configuration mode

To exit without saving press the QUIT button. The

sensor will blink red for 1 second and then constant

amber for 3 seconds. To activate the walk test and

The sensor blinks green every time - or +

is pressed and blinks red when the minimum or

Single flash: minimum sensitivity setting.

Double flash: medium sensitivity setting.

Triple flash: maximum sensitivity setting.

maximum value has been reached. Press the OK

Save setting and exit the ICU configuration mode

by pressing the SAVE button. The sensor will blink

green for 1 second and then constant amber for 3

button. The sensor will blink red for 1 second and

seconds. To exit without saving press the QUIT

the Sensazone and press the 👸; the sensor

blinks green once. Decrease or increase the fan

respectively. The sensor blinks green every time

or + is pressed and blinks red when the

umber of Flashes 1 2 3 4

Range (cm approx) 0 5 15 30 60

Save setting and exit the ICU configuration mode

by pressing the SAVE button. The sensor will blink

green for 1 second and then constant amber for 3

button. The sensor will blink red for 1 second then

seconds. To exit without saving press the QUIT

minimum or maximum value has been reached.

Press the **OK** button to verify the sensor light

run-on time by pressing the - and + buttons

button to verify the sensor light threshold setting; th

sensor displays the current setting by flashing green.