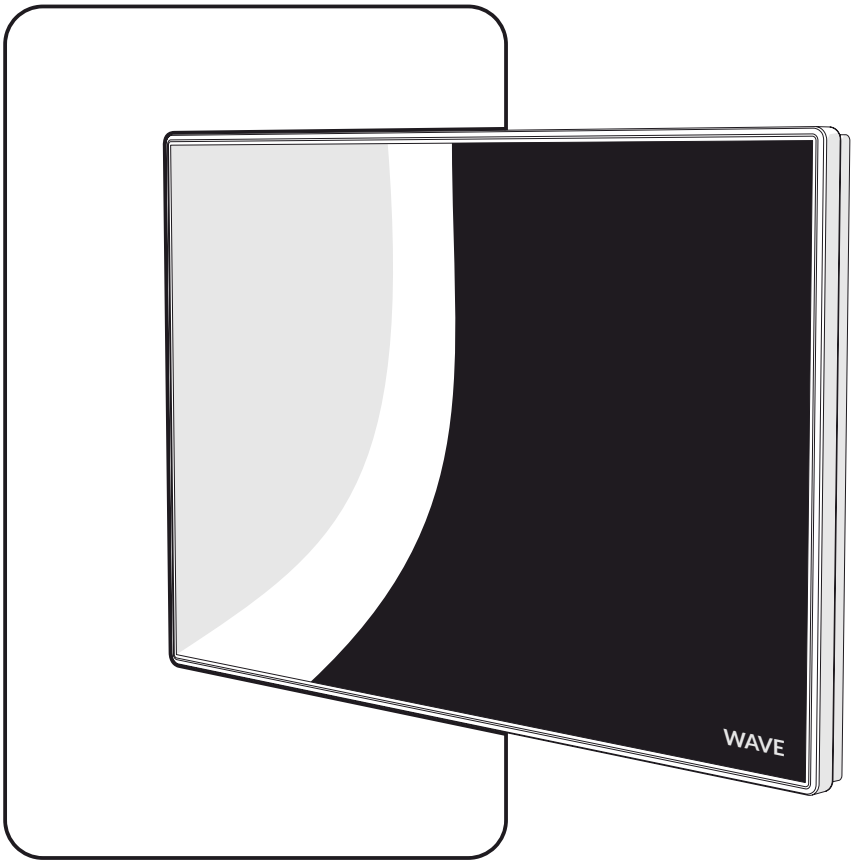
Wave S3

Smart Flush Actuator



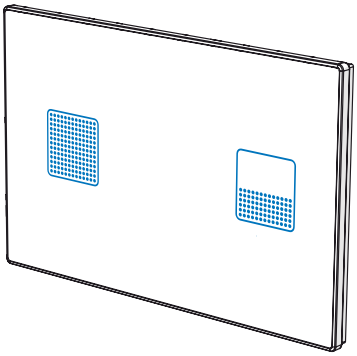
Dudley
Water saving solutions

TEL: 0121 557 5411
FAX: 0121 557 5345
EMAIL: sales@thomasdudley.co.uk
WEBSITE: www.thomasdudley.co.uk
MAIL: Thomas Dudley Ltd | P.O.Box 28 | Birmingham New Road | Dudley | West Midlands | DY1 4SN

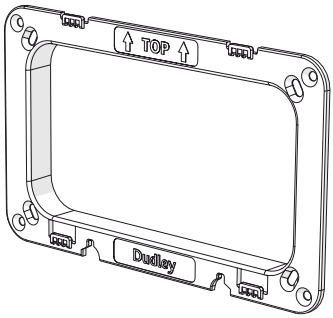
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1 Pack Contents

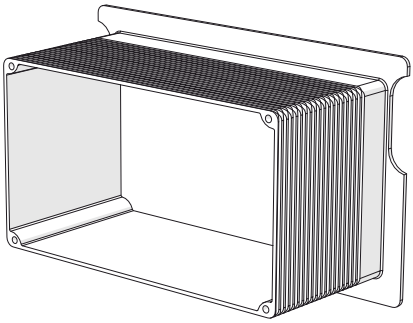
1 Main Unit



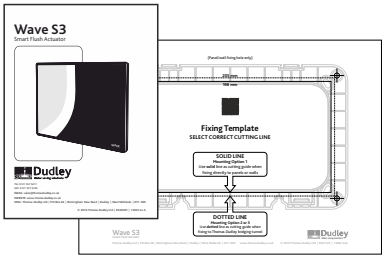
2 Mounting Frame



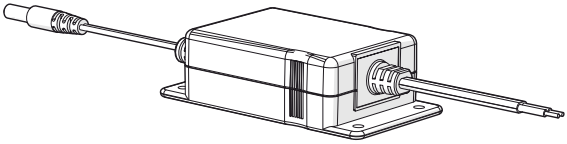
3 Tunnel



4 Instructions & Fixing Template



5 Power Supply



6 4x Fixing Screw (No.10 x 25mm Countersunk)

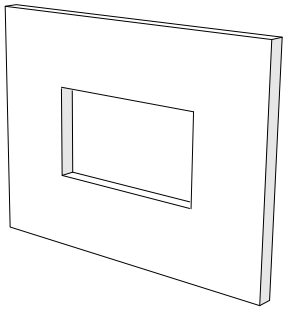


Cleaning Instructions

IMPORTANT:
Clean with a soft damp cloth only.
Do not user scourers, bleach or other abrasive cleaning products.

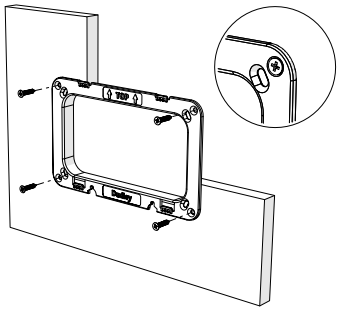
2 Mounting

When raised the toilet's lid and seat must not obstruct the Wave unit in any way



Step 1
Cut recess into wall or panelling.
Important: For exact dimensions refer to fixing template (enclosed), ensuring that the correct cutting line is used corresponding to Mounting Options 1, 2 or 3 below

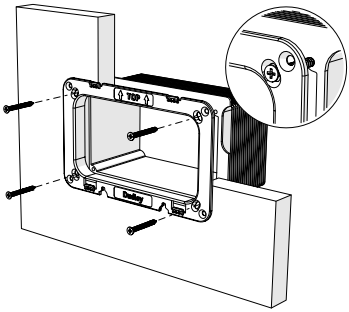
Step 2
Install mounting frame and bridging tunnel (if required) into wall recess.
See mounting options below



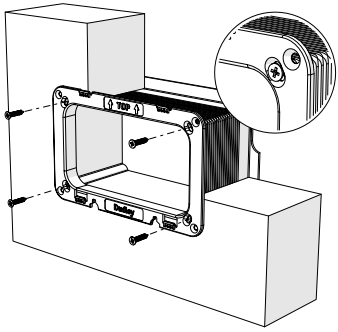
Mounting Option 1
Mounting frame only. Install mounting frame directly to wall.

Mounting Option 2
Mounting frame with bridging tunnel. Tunnel is used to clamp mounting frame to wall and provide a bridging service aperture as shown. Tunnel must be cut to required depth.

Note: Longer screws may be required for larger wall thicknesses (not included).



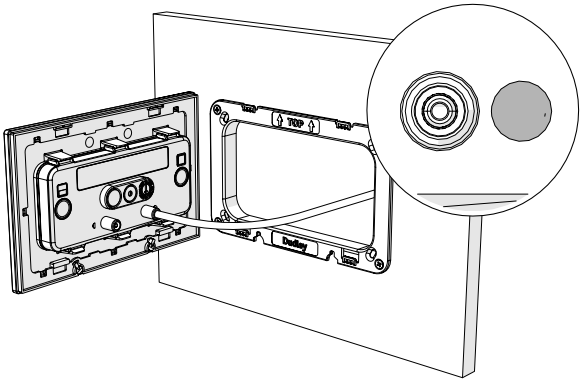
Mounting Option 3
Mounting frame with bridging tunnel. Tunnel is used to clamp mounting frame to wall and provide an internal service aperture as shown. Tunnel must be cut to a depth slightly less than the wall thickness to allow for clamping.



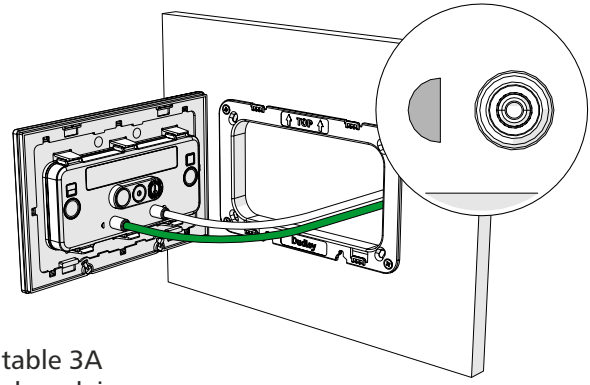
3 Connections

Step 1
Connect pneumatic tubes.

Full Flush
Connect white/clear pneumatic tube to the port marked with a full round symbol.



Partial Flush
Connect green pneumatic tube to the port marked with a half round symbol.

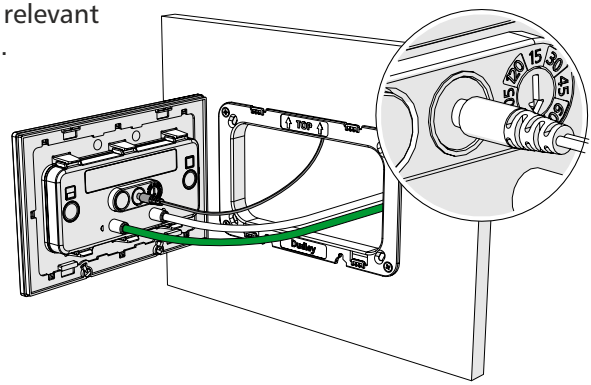


Step 2
Connect power supply

Wiring Transformer
Wire the transformer to a suitable 3A fused spur. Ensure all electrical work is undertaken by a qualified electrician and is in compliance with all relevant statutory electrical standards.

Power Up
Plug the power jack into the socket in the rear of the unit.

Note: When powered up the front icons will flash red, green then blue.



Step 3
Flush test. Place the unit onto the mounting frame (no need to lock) and initiate a full and partial flush independently by waving a hand in front of the flush icon.
If successful proceed to **Section 5 Fill Delay**
If either or both flushes were unsuccessful proceed to **Section 4 Boosting**

4 Flush Boost

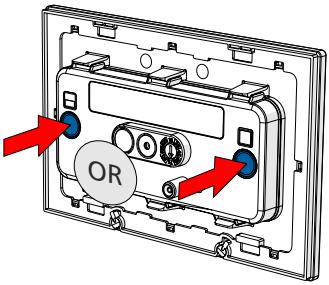
If the flush test carried out in Section 3 failed on either or both flush options a Boost can be independently applied to deliver more air to the valve.

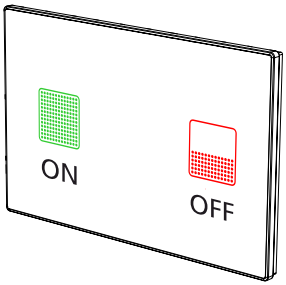
Step 1
Press any rear button once to enter Boost Mode.
The current boost setting will now be displayed for both full and partial flush.

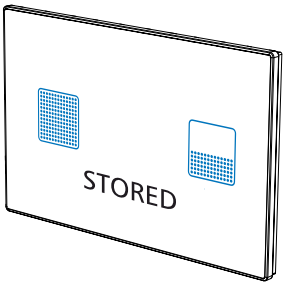
Step 2
Toggle Boost ON and OFF for full and partial flush using the rear buttons.

Step 3
To store Boost settings wait 5 seconds until the icons return to blue.

	FULL	PARTIAL
ON		
OFF		





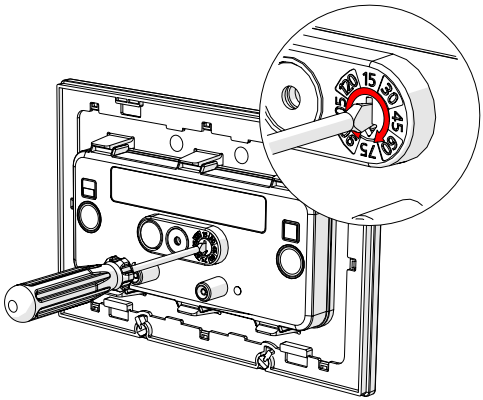


5 Fill Delay

This sets the delay period between consecutive flushes to allow the cistern to refill. This can be set at a range of time periods between 15 and 120 seconds which are visible on the fill delay dial.

Step 1
Measure the fill time after several full flushes and record an average.

Step 2
Using a flat-ended screwdriver rotate the fill delay dial to a duration suitable to the time previously recorded.



6 Activation Detection Range (ADR) Configuration

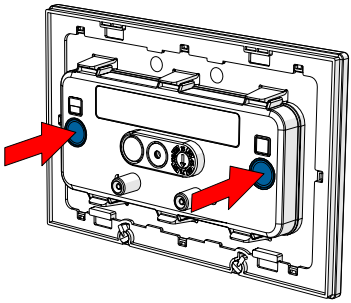
The Activation Detection Range or ADR is the distance at which the unit first detects a user and illuminates ready for use. There are 3 modes of setup used to configure the unit to its specific WC environment.

Default

The unit will give complete flushing functionality using the factory set default range of 2m. However, if a permanent object such as an opposing wall or cubicle door is within 2m, the unit will be permanently illuminated.

Automatic Setup

Sets the unit to ignore permanent objects within the default 2m range. This procedure is suited to enclosed WC spaces such as cubicles.



Step 1
Initiate the ADR scanning procedure by simultaneously pressing both rear buttons. The unit will begin to beep.

Step 2 (Automatic)
Whilst beeping, promptly place the unit onto the mounting frame (no need to lock) and vacate the area ensuring that any cubicle doors are closed.

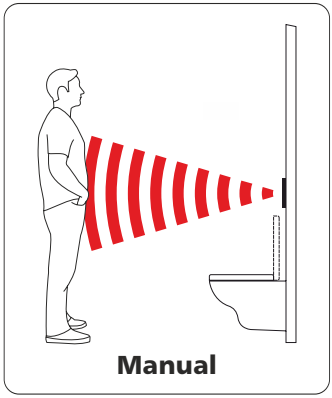


Step 3
Immediately before scanning, the unit will beep more rapidly and scanning will commence. Ensure the area remains in its inactive state for the duration of the scanning procedure.

Step 4
On completion of the scanning procedure the unit will sound a long beep. The ADR is now set just short of the nearest large static object.

Manual

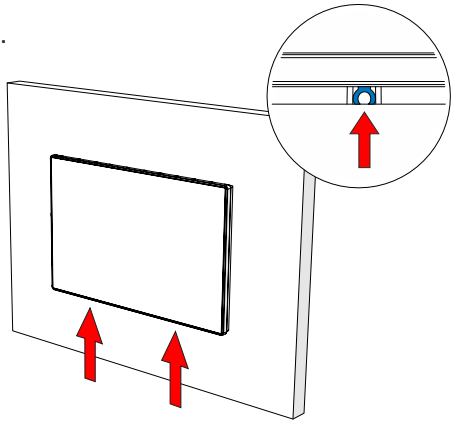
To set a range shorter than the default 2m range. This procedure is suited to open WC spaces such as domestic bathrooms. Follow the automatic setup procedure but replace **Step 2** as below.



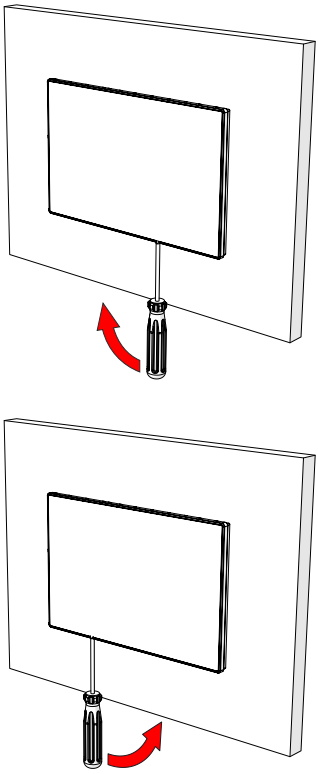
Step 2 (Manual)
Whilst beeping, promptly place the unit onto the mounting frame (no need to lock). The installer should stand in front of the unit at the required ADR range for the duration of the scanning procedure.

7 Locking the Unit

Step 1
Locate the locking toggles.



Step 2
Using a suitably sized screwdriver or allen key, turn the locking toggles inwards approximately 45° to the lock position.

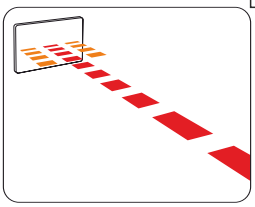


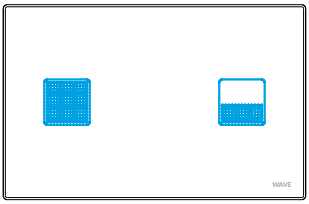
8 Operation



Inactive

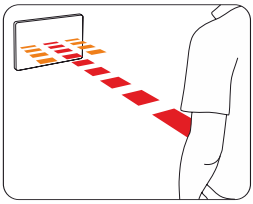
When a user is outside the activation detection range (ADR) the icons are not illuminated.

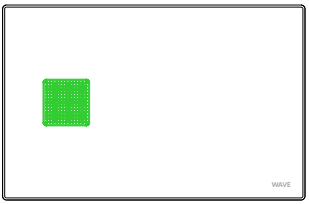


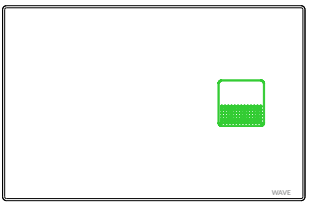


Activation

When a user moves into the ADR, the flush icons will illuminate blue and remain so until the user moves out of range.

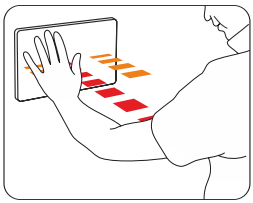


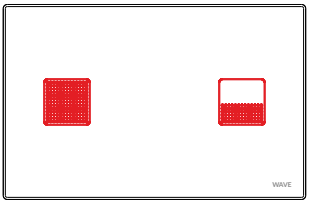




Flushing

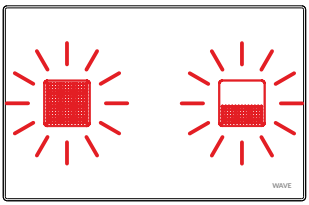
Wave your hand within 4cm of the icon that represents the type of flush you require. The full square gives a full flush and the half filled square gives a water saving partial flush. The selected icon will turn green as the flush initiates while the unselected icon returns to an inactive state.





Refilling

During the refilling of the cistern both icons will illuminate red to indicate that flushing is temporarily unavailable. When refilled both icons will either illuminate blue if the user is still within range, or become inactive if the user has vacated the area.



Obstruction Warning

Flashing red icons indicate that there is an obstacle hindering operation.