

Green-flow

SERVICING THE SENSAFLOW NETWORK

PASSIVE INFRA RED URINAL FLUSH CONTROL

INSTALLATION INSTRUCTIONS

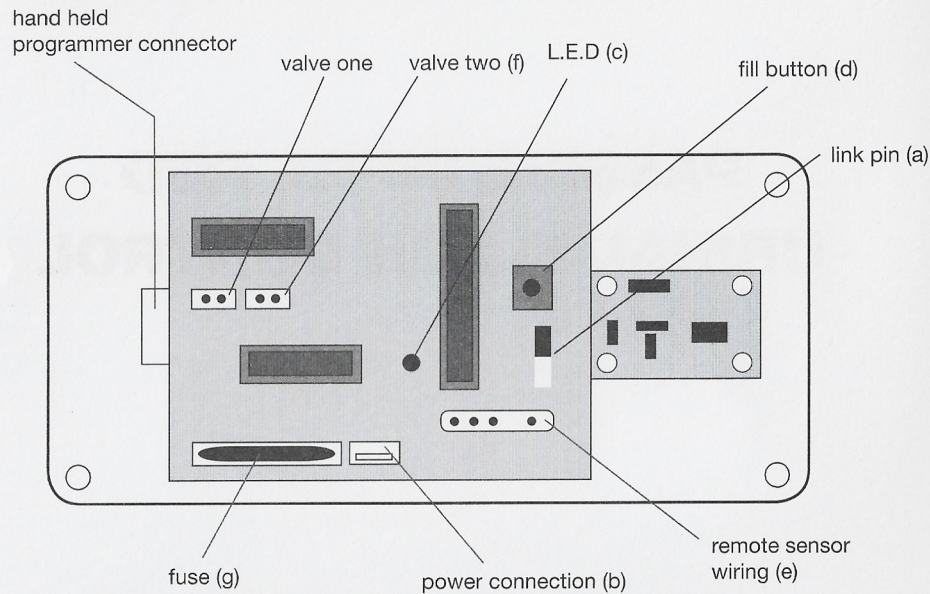
Green-flow

A COST SAVING DEVICE

CONTROL BOX WITH INTERGRAL SENSOR - BATTERY

1. Allow automatic flushing cistern to flush then turn off water (cistern now empty).
2. Install the valve(s) at the desired location (see F & valve drawing), noting flow of water and direction indicator on valve. After cutting pipe flush out prior to securing valves.
3. Take the Control Box and unscrew the four screws on the front of the box.
4. Drill holes in the back of the Control Box to fix to the wall or ceiling (a max of 2.5 metres from the ground) as required, in such a position close to the urinal to ensure detection upon occupancy. N.B. Screws are not supplied.
5. Make sure that the Link Pin (A) is connecting the 2 pins furthest away from Button (D).

Connect Battery Pack to B (Power Connection)



6. Connect the battery pack to the circuit board (marked B on the diagram). Do not allow the battery pack to hang unsupported. This will power up the Greenflow. The LED on the printed circuit Board will give two long flashes followed by two short flashes, indicating that it is ready to set the valve.

(If the solenoid valve is not already closed it will do so on power up if it doesn't this means the wires to the valve need to be reversed. This can be achieved by disconnecting the power supply and reversing (F) & then power up).

CONTROL BOX WITH INTERGRAL SENSOR - BATTERY

7. Press the small black button (Marked D) on the circuit board; upon release this will open the valve.
8. When the cistern fills and flushes, press the small black button (D) again and release - this will close the valve and log the time into the non volatile memory.

(In the event of running two valves from one control box repeat steps 7&8)
9. Move the Link Pin (A) to connect the 2 pins nearest the Black Button (D). The LED will flash twice to indicate that the valve open time has been accepted.
10. Your installation is now complete. Place the battery pack into the Control Box and screw the front of the Greenflow into place.

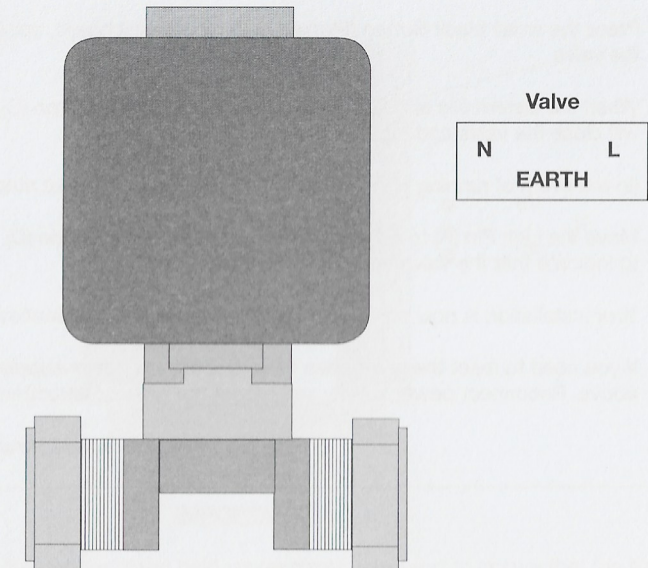
NB. If a remote sensor is involved see page 5

If you need to reset the valve open time, disconnect power supply. Move link pin (A) as in 5 above. Reconnect power supply and repeat the setup instructions as before.

IMPORTANT

When setting up using the optional hand held programmer, you need to ensure that the link pin (A) is connecting the two pins nearest the fuse and left in that position after set up.

SOLENOID VALVE



CONTROL BOX WITH INTERGRAL SENSOR - MAINS POWER

N.B Mains power should be fed through a 3 amp fuse spur.

1. Allow automatic flushing cistern to flush then turn off water (cistern now empty)
2. Install the valve(s) at the desired location (See F & valve drawing), noting flow of water and direction indicator on valve. After cutting pipe, flush out prior to securing valves.
3. Take the Control Box and unscrew the four screws on the front of the box.
4. Drill holes in the back of the Control Box to fix to the wall or ceiling as required (a max of 2.5 metres from the ground). In such a position close to the urinal to ensure detection upon occupancy. N.B. Screws are not supplied.
5. Fix Transformer PCB to the pillars in the back of the box with the resistor and fuse at lower end.
6. Wire from the Fused Spur to the Transformer (see J). It may be necessary to connect up for 9 volt output (see K) in very high water pressure areas to open the solenoid valve.
7. Make sure that the Link Pin (A) is connecting the 2 pins furthest away from Button D.
8. Connect the transformer to circuit board (marked B on the diagram). This will power up the Greenflow. The LED on the printed circuit board will give two long flashes followed by two short flashes, indicating that it is ready to set the valve open time.

(if the solenoid valve is not already closed it will do so on power up if it doesn't it means the wires to the valve need to be reversed. This can be achieved by disconnecting the power supply and reversing (F) and then power up)

9. Press the small black Button (Marked D) on the circuit board, upon release this will open the valve.
10. When the cistern fills and flushes, press the small black button (D) again and release - this will close the valve and log the time into the memory.

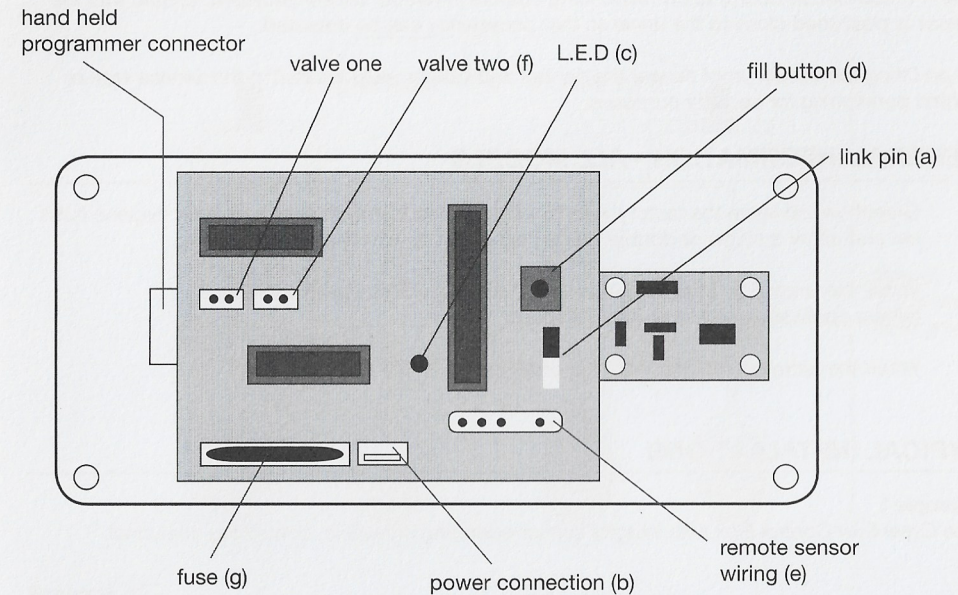
(In the event of running two vales from one control box repeat steps 9 & 10).
11. Move the Link Pin (A) to connect the 2 pins nearest the button (D). The LED will flash twice to indicate that the valve open time has been accepted.
12. Your installation is now complete. Screw the front of the Greenflow into place.

If you need to reset the valve open time, disconnect power supply. Move link pin (A) as in 7 above. Reconnect power supply and repeat the set-up instruction as before.

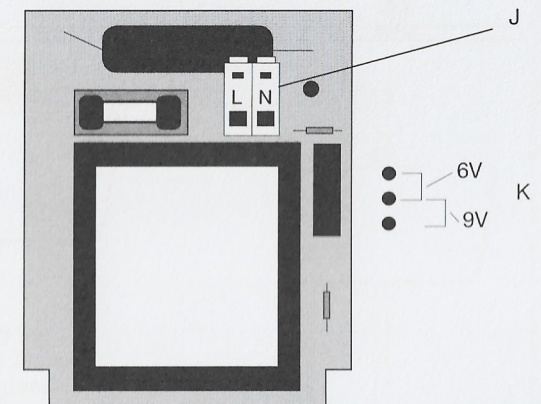
NB. If a remote sensor is involved see page 5.

CONTROL BOX WITH INTERGRAL SENSOR - MAINS POWER

Main Printed Circuit Board



Transformer Dual Output



IMPORTANT

When setting up using the optional hand held programmer, you need to ensure that the link pin (A) is connecting the two pins nearest the fuse and left in that position after set up.

CONTROL BOX WITH REMOTE SENSOR

Install Greenflow as directed on Page 1 for Battery Unit or page 3 for Mains Unit.

In addition wire remote sensor from main printed circuit board, as indicated by E (on diagram of Main Printed Circuit Board) to corresponding colours in remote sensor provided. Ensure that the sensor is positioned close to the urinal so that occupancy can be detected.

When fitting the vandal proof sensor the control and valve should be located in the service area or behind partitioning for security purposes.

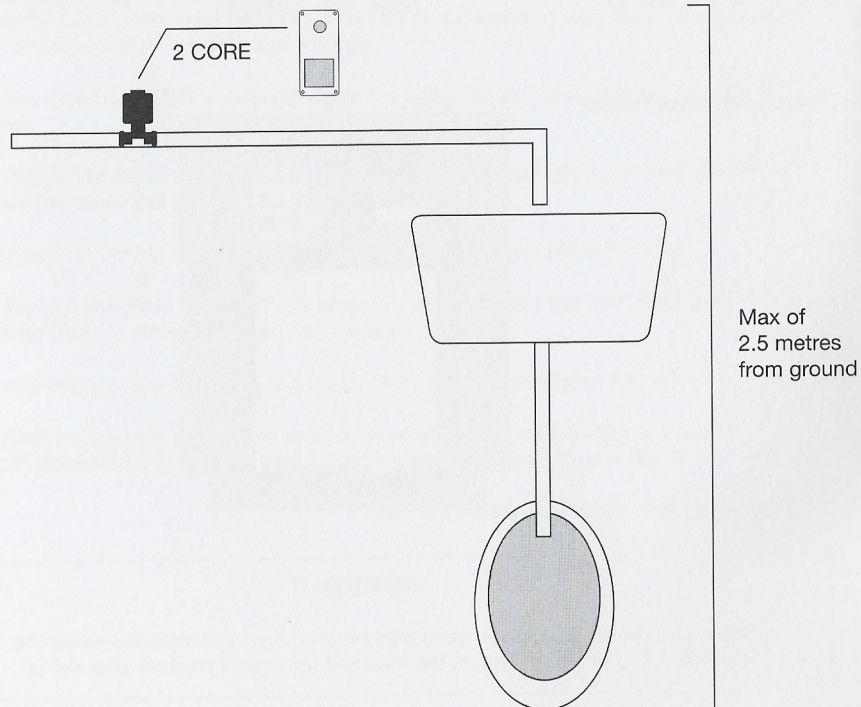
GENERAL INFORMATION - ALL MODELS

- Greenflow will leave the factory with 15 minutes occupancy flush & a 12 hour hygiene flush set and either a single or double valve, depending on what has been ordered.
- Install the Greenflow in accordance with Plumbing & Electrical Regulations (where applicable) and local Specifications.
- When the batteries require changing order by fax 01643 709979.

TYPICAL INSTALLATIONS

Example 1

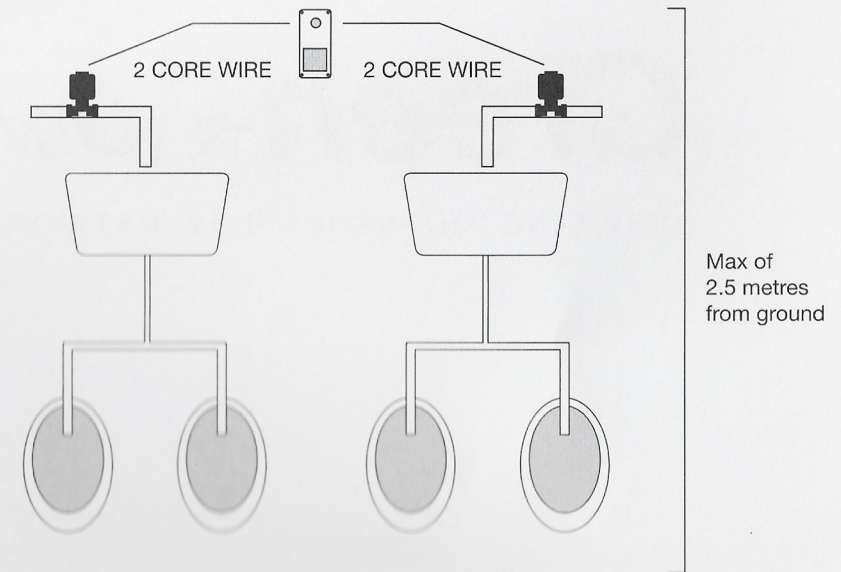
One Greenflow Control Box with integral sensor operating one valve, controlling one urinal.



TYPICAL INSTALLATIONS

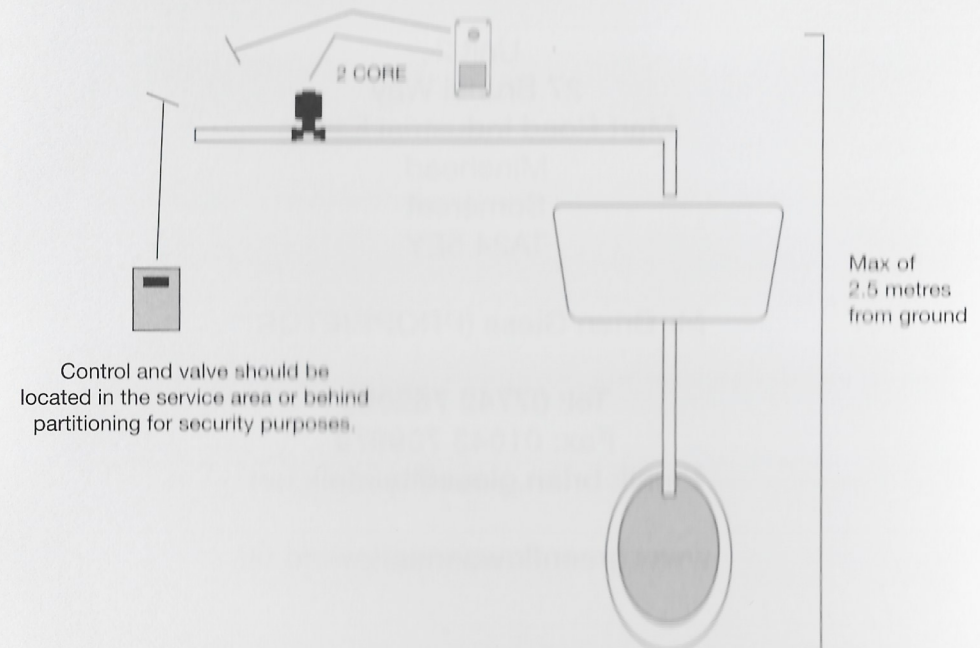
Example 2

One Greenflow Control Box with integral sensor operating two valves independently of each other.



Example 3

One Greenflow Control Box with remote sensor operating one valve, controlling one urinal.



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SERVICING THE SENSAFLOW NETWORK

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