

LOOSPOT DETECTOR & CONTROL UNIT

LooSpot is a urinal and lighting controller for saving water and energy in ladies and gents 'WC's. LooSpot saves money in two ways; by regulating the flow of water to automatic flushing cisterns and by switching off lights and fans in unoccupied toilet areas.

It may be used to control any load - lights, heating etc., - but is generally used in combination with a solenoid valve in order to control automatic flushing urinals. The system uses a passive infra-red (PIR) sensor to detect occupancy.

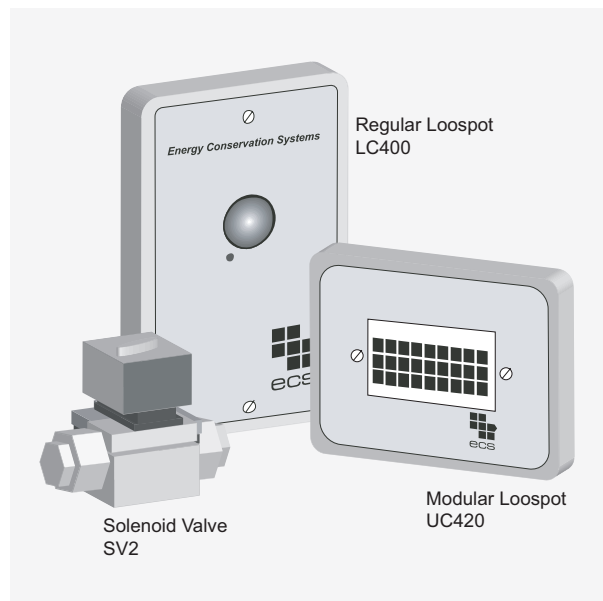
No occupancy, no wasted water flushing needlessly into the drains. For extra hygiene the LooSpot activates every 6 hours so that urinals will be regularly flushed during holidays etc. This feature may be inhibited when controlling lighting or heating.

LooSpot presence detection equipment provides a valuable check on costs by automatically controlling the cistern water supply and the electrical load.

LooSpot controls are available for simple or sophisticated applications:

MODULAR LOOSPOT

Ideal for larger areas and areas with suspending ceilings, they will control lights and fans as well as water, with an optional photocell on the lighting circuit. Presence detectors - maximum of three may be mounted at the entrance to the facility when controlling water and lighting/fans, but at any convenient location when controlling water only. The modular power unit is mounted above the suspended ceiling or near the distribution board. The solenoid valve is fitted in the supply to the cistern.



REGULAR LOOSPOT

Ideal where a more robust unit is required. The presence detector can be wall or ceiling mounted at the entrance to the facility when controlling water and lighting/fans, but at any convenient location when controlling water only. The solenoid valve is fitted in the supply to the cistern.

BATTERY LOOSPOT provides a convenient, easy-to-install unit for water only. Suitable for areas with no easy access to a mains electricity supply, the LooSpot valve simply slots into the cistern feed pipe and will start to work as soon as the battery is connected. A separator kit is available for concealed pipework. This allows the detector to be mounted separately from the valve and within view of the controlled area. For control of water only - involves no electrical installation.

Which ever LooSpot solution you choose, it will maximize savings at minimum cost, providing you with many years of trouble-free service as the costs of water and sewerage continue to rise.

Installation

Where to fit - Solenoid Valve

The solenoid valve must be plumbed into the water feed to the urinal header tank and connected to the LooSpot detector using 240V cable. Two types of valve are available, either open or enclosed in a polycarbonate enclosure.

The required direction of water flow is shown on the valve. Avoid contamination by swarf, flux etc. Use PTFE tape where appropriate.

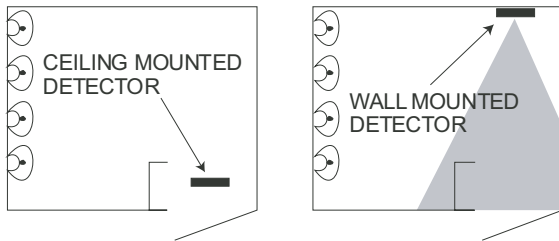
In slow fill mode, the existing trickle cock within the header tank will continue to set the frequency of flush. This should be regulated so that the cistern will flush once every 20 minutes or in accordance with the site specification. The trickle cock should be removed or fully opened for fast fill applications.

For more information, refer to installation/commissioning notes for each product.

Loospot Detector Switch

If water only is being controlled, the detector need not activate immediately upon entry. Choose any convenient position within the room where a visitor will be seen.

If lights are controlled, select a position giving coverage of the entrance to the facility as illustrated below.



Technical Data

ELECTRICAL RATING: 240V 50/60Hz. Maximum load 5 Amps

Note: Loospot incorporates inrush current suppression making it applicable to any type of load up to 5 Amps.

Modular Loospot

- Mains power supply unit with dual-circuit output, up to three remote presence detectors and remote solenoid valve.
- For water or water and lights/fans
- Trickle-fill or fast-fill options
- Adjustable photocell for lighting
- Flush or surface mounted on wall or ceiling
- Daily hygiene flush
- Off delays: Water 5 - 35 minutes
Lights 5 - 15 minutes
- Range 6 meters

Regular Loospot

- Mains presence detector with single-circuit output and remote solenoid valve
- For water or water and lights/fans
- Trickle-fill or fast-fill options
- Flush or surface mounted on wall or ceiling
- Daily hygiene flush
- Off delays: 5 - 35 minutes
- Range 6 meters

Note: Both Modular and Regular Loospot can operate in trickle-fill or fast-fill mode. This means that the correct flush cycle can be set up for each cistern at the time of installation.

Battery Loospot

- Simple to install- no mains connections
- Battery lasts for three years
- Combined presence detector and valve
- Operates in trickle-filled mode
- Controls water only
- Complete unit slots into cistern pipework- Separator kit available for flush mounting the detector.
- Daily hygiene flush
- Battery low buzzer
- Movement indicator
- Self commissioning
- Off Delay 25 minutes
- Range 6 meters

Ordering Information

Catalogue Number	Description
UC420	Loospot Modular Detector
UC700	LooSpot Battery Version Detector
LC400	Loospot Regular Detector