

RADA LIGATURE RESISTANT NO-TOUCH SENSOR

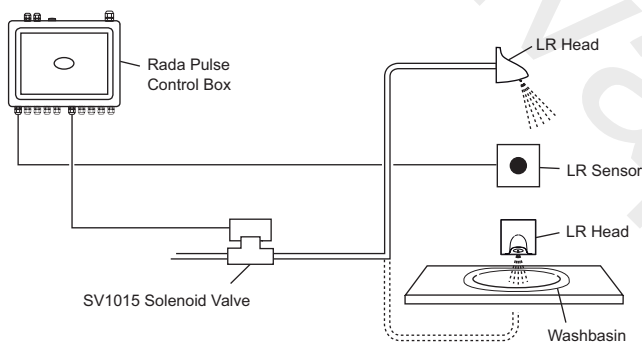


LR Sensor/LR Operating System

- WRAS Approved
- No-touch control of a washbasin or shower
- Economy and security - timing can be programmed for flow control and to prevent misuse
- For use with the LR Head and Rada Pulse Control Box System
- Ideal for prisons and secure psychiatric facilities
- Designed to be recessed or built within the wall surface



Operation Schematic



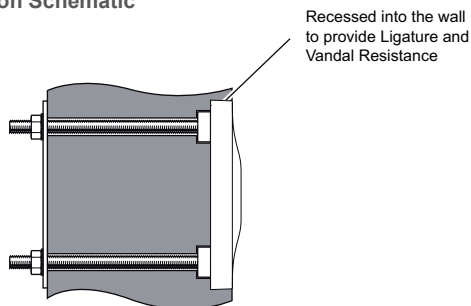
Specify as: Rada LR Operating System (1.1640.002)

Ligature resistant active infra-red sensor and 1/2" solenoid valve with isolator and filter.

Specify as: Rada LR Sensor (1.1640.003)

Ligature resistant active infra-red sensor.

Installation Schematic



Dimensions (mm)



Note! Rear access is required for the installation of this product.

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Specification Enquiries

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TECHNICAL SPECIFICATION

Installation and Maintenance

Please refer to the appropriate Product Manual.

For details of the LR Head and Rada Pulse Control Box, refer to the applicable datasheet. Each Rada Pulse Control Box will accommodate a maximum of 10 operating systems.

Approvals

Solenoid Valve: WRAS Approved (Water Regulations Advisory Scheme)

Designed, manufactured and supported in accordance with accredited BS EN ISO 9001:2008 Quality Management Systems and BS EN ISO 14001:2004 Environmental Management Systems.

Operation

When the sensor is activated, a signal is sent to the Rada Pulse Control Box, which in turn energises the solenoid valve.

The solenoid valve opens - allowing water to flow through the outlet.

The duration of the flow for each outlet can be individually preset, via the Rada Pulse Control Box, ensuring optimum saving of water and energy.

The sensor may be used to switch off the supply before the pre-set time.

Materials

Sensor: Brass, chrome finish.

Solenoid Valve: Body material fibreglass polyimide.

All screws in contact with water are stainless steel.

Temperature Range

Designed to accept water supplied between 5°C and 90°C.

Pressure Range

Solenoid Valve: 0.20 - 10 bar (20 -1000 kPa).

Electrical Specification

Protection Class Sensor: IP65.

Supply Voltage: 12V AC + 10% 50/60 Hz, via Rada Pulse Control Box.

Operating ambient temperature range: 0°C and 40°C.

Maximum Humidity: 80%

Sensor range: 0 to 50 mm.

Wiring from sensor to control box: 3.0 m, 2 core PVC covered cable.

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