



**THORNTHWAITE TECHNOLOGIES**  
THE SHOWER & WASHROOM SPECIALISTS

Data Sheet

# Rada Ligature Resistant Sensor Operating System & Showerhead



[www.thornthwaite.com.au](http://www.thornthwaite.com.au)

# Rada Ligature Resistant

**Rada Ligature Resistant** head and sensor operating system for showering and hand washing is ideal for prisons and secure psychiatric facilities. The base is designed to be recessed into the wall. The sensor operating system is installed in conjunction with Rada Pulse.

## Connection

**Showerhead:** 1/2" BSP connection

## Materials

### SHOWERHEAD

**Showerhead:** brass with polished chrome finish

**Spray cartridge:** Engineering plastic.

### SENSOR OPERATING SYSTEM

**Sensor:** brass with polished chrome finish.

**Solenoid Valve:** body material fibreglass polyimide.

## Temperature

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

## Operation

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

## Approvals



Showerhead



Tap Equipment



## Pressure Range

**Showerhead:** 50 - 500 kPa (dynamic pressure)

**Solenoid valve:** 20 - 1000 kPa

## Spray Performance

Fitted with 7 L/min shower cartridge. Head may also be used as a basin spout.

## Electrical

**Supply Voltage:** 240 V AC to 12V AC + 10% 50/60Hz via the Rada Pulse Control Box. 12 V AC wiring (not supplied) from the Pulse Control Box to the solenoid valves.

Sensors are supplied with 3m cable which can be extended by using CAT5 UTP or CAT5 STP twisted pair data cable (not supplied).

## Sensor Range

**LR Sensor:** 0-50mm

## Commissioning & Maintenance

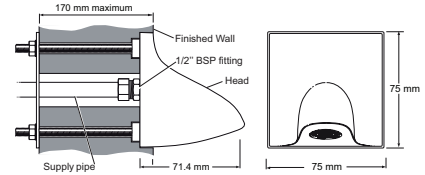
Refer to the Product Manual for detailed instructions. For further information on replacement parts and service contact Thornthwaite on 1300 137 170.

## Warranty

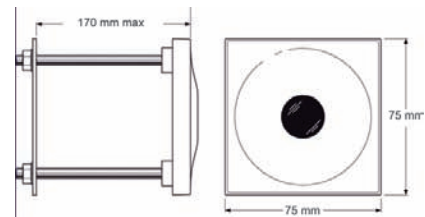
1 year subject to manufacturer's conditions.

Description	Part No
Rada LR Ligature Resistant head – 7 L/min	1640.001
Rada LR Ligature Resistant Sensor Operating System	1640.002
<b>PULSE CONTROLS</b>	
Rada Pulse Control Box	09379
Rada Handheld Programmer	09380
Rada Pulse Isolating Key Switch	1495.080
Rada Pulse Operating Key Switch	1495.081

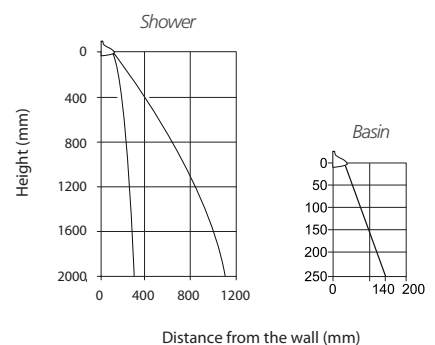
Rada Ligature Resistant Showerhead for showers or basins



Rada Ligature Resistant Sensor Operating System



Spray Pattern at 200kPa



## More Information

Download product manuals, data sheets, specification sheets, line drawings and brochures from our website.

[www.thornthwaite.com.au](http://www.thornthwaite.com.au)