



THORNTHWAITE TECHNOLOGIES
THE SHOWER & WASHROOM SPECIALISTS

Data Sheet

Rada Sense
Digital Mixing Valve for
Basins & Showers



www.thornthwaite.com.au

Rada Sense for Basins and Showers

Rada Sense digital mixing valve for basins or showers offers no-touch water activation and temperature adjustment, for improved hygiene, by minimising the risk of cross-infection of bacteria. The facility is able to program flow times, temperatures, duty flushing and perform thermal disinfection via a laptop computer or PDA.

Connections

Inlets and outlet: 1/2" BSP M connection

Materials

Control panel cover: chrome plated ABS

Mixing unit enclosure: PC/ABS

Integral components: DZR brass, stainless steel and engineering plastic

Electrical

Supply voltage: 240 V AC 50-60Hz

Max load: 20 watt at 12 V DC

Control panel cable length: 3m supplied (extendible to 6m max)

Temperature Range

Factory pre-set:

min 30°C, max 41°C, default 38°C

Programmable range:

min 30°C - 47°C, max 33°C - 50°C, default 30°C - 50°C

Minimum blend temperature differential from hot supply: 2°C

Stability: +/- 1°C at supply conditions

Recommended inlet hot water temperature range: 50°C - 65°C

Pressure Range

Max static pressure: 1000 kPa

Min pressure loss: 20 kPa

Equal supply pressures recommended (max inlet differential 3:1 either way)

Flow

Min flow rate:

4 L/min (<500kPa maintained inlet pressure)

6 L/min (>500kPa maintained inlet pressure)

Times

Times	Factory settings	Program range
Flow time:	8 sec (Basin) 30 sec (Shower)	5 sec - 60 min
Duty flush cycle:	2 min	1-59 min
Duty flush waiting period:	12 hours*	1 hr - 983hrs

* Duty flush not enabled at factory, programming required

Thermal Disinfection

Factory settings	Program range
Min temperature: 60°C	Disinfection temp range: 60°C - 85°C
Min time: 5 min	Disinfection duration: 0 - 50 min

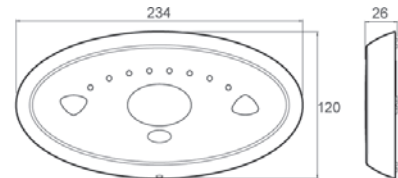
Programming

PDA required to adjust factory settings, retrieve data, configure duty flush and disinfection cycles.

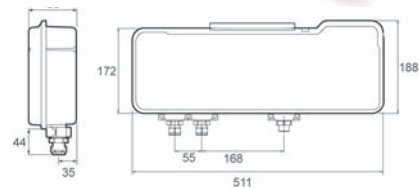
Required: MS Pocket PC 2002, Windows Mobile (for Pocket PC) and MS Windows Mobile 5.0; or Laptop computer (MS Windows with infra red USB adaptor)

PDA and laptop are not supplied

Rada Sense Control Panel (Shower sensor shown)



Rada Sense Digital Mixing Valve Cabinet



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

5 years subject to manufacturer's conditions.

Description	Part No
Rada Sense digital mixing valve - basin sensor	1503680
Rada Sense digital mixing valve - shower sensor	1503684

More Information

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

www.thornthwaite.com.au

Approvals



Thornthwaite Technologies Pty Ltd ABN 67 113 609 019
79 Victoria Avenue Chatswood NSW 2067 | PO Box 560 Willoughby NSW 2068
T: 1300 137 170 | F: 02 9417 5231 | E: enquiries@thornthwaite.com.au

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