

THORNTHWAITE TECHNOLOGIES
THE SHOWER & WASHROOM SPECIALISTS

Data Sheet

Rada Sense
Digital Mixing Valve for
Basins & Showers

rada

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

Approvals

NSW HEALTH APPROVED



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

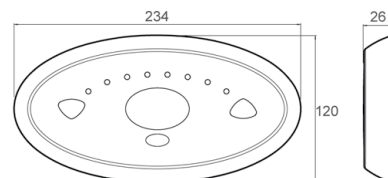
Programming

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

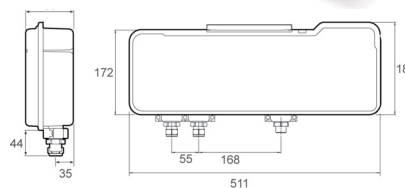
Required: MS Pocket PC 2002, Windows Mobile (for Pocket PC) and MS Windows Mobile 5.0; or Laptop computer (MS Windows with infra red USB adaptor)

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

