

CUBICLE SYSTEMS LTD[®]

RADA SENSE MODULE



RADA SENSE Tap No Touch Automatic Flow
Install and Connect Washbasin Modules

“The Way Forward” – Rada Sense Modules are factory manufactured and tested, install and connect modules, fitted with Rada Sense Washbasin T3 (1.1503.702) no touch, programmable flow and temperature control water management system. The ultimate in safety and hygiene control.

RADA SENSE MODULES are available as half height, boxed out as illustrated, or as full height, boxed out semi and fully recessed. All modules available in white only, or as specified to special order.

All modules are supplied complete and ready to install, including installation fittings, water and electrical connections.

Designed specifically for hygiene control, ease of installation, maintainability, and accessibility.



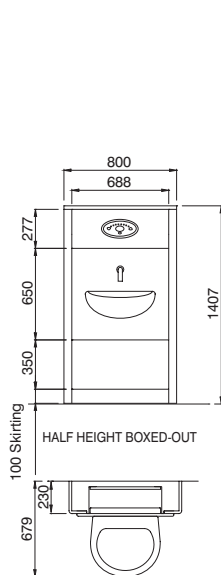
Front view half height boxed out module as supplied

Back view showing galvanised steel frame, water and power connection

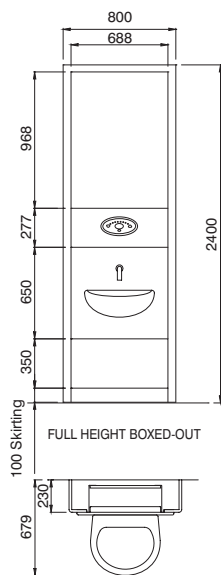
Access to water trap

Access to control box

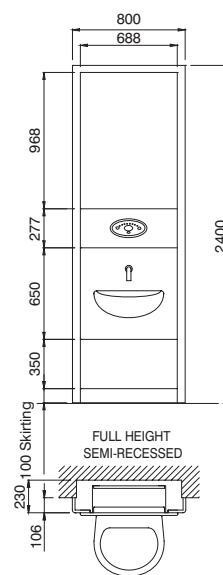
Access to control box and water and power connections



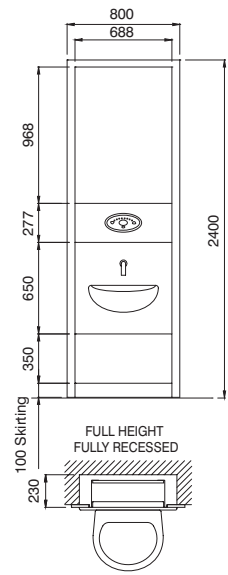
IPS - RADA SENSE - MOD1



IPS - RADA SENSE - MOD2



IPS - RADA SENSE - MOD3



IPS - RADA SENSE - MOD4

Sense Modules are produced to a high standard of specification, constructed around an adjustable galvanised steel frame to which all panels are attached to produce a strong stand alone structure ready to be installed with Rada Sense Washbasin Kit T3 (1.1503.702). Module panels are manufactured using moisture resistant extra WRP5 board bonded with high pressure laminate. Colour white as standard, but available in other colours and panel specification subject to special order.

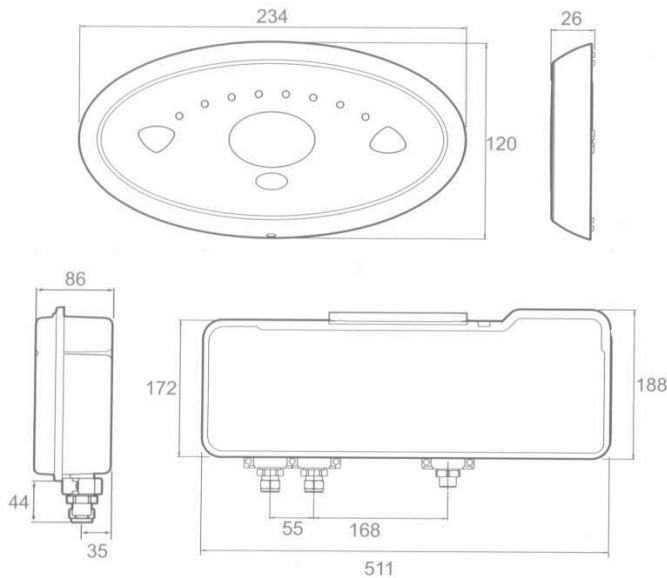
- The world's first digital mixing valve for commercial use
- Sets new standards of hygiene
- No-touch on/off and temperature control
- Programmable flow times and temperatures
- Programmable 'duty flushing'
- Thermal disinfection with datalogging
- Valve information and usage data
- Incorporating T-logic™ digital intelligence

 **T-logic™ Digital Intelligence**

Allows the user to operate, communicate and exchange information with the mixing valve to deliver the ultimate in safety, hygiene and control.



Dimensions (mm)



Specify as: Rada Sense - Washbasin T3 (1.1503.678)

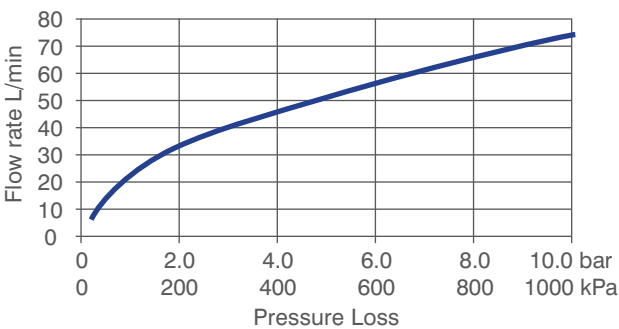
Concealed digital mixing valve for washbasin, offering programmable maximum, minimum and default temperatures, duty flush and thermal disinfection with datalogging capabilities.

Supplied complete with programmable software, power supply, check valves and strainers. Wall mounted control panel offering infra-red no-touch controls for flow and temperature adjustment and programmable timed flow control.

Specify as: Rada Sense Washbasin Kit T3 (1.1503.702)

Rada Sense as per washbasin complete with wall mounted spout with 150 mm throw supplied with a 5 l/min flow regulator.

Flow Diagram



Installation and Maintenance

Please refer to the RADA SENSE Product Manual P4503.
For a copy call 01242 282527

Connections

Inlet and outlet connections: ½" BSP male.

Approvals

Buildcert TMV3 Thermostatic Mixing Valve Scheme approved:-

LP-W Low Pressure Washbasin
HP-W High Pressure Washbasin
Certificate No. BC100/0205

Complies with the technical requirements of BS7942 for the same designations

Buildcert TMV2 Thermostatic Mixing Valve Scheme approved:-

LP-W Low Pressure Washbasin
HP-W High Pressure Washbasin
Certificate No. BC101/0205

Designed to comply with European Standards EN1111 and EN1287

WRAS approved (Water Regulations Advisory Scheme)

BEAB approved

Designed to IEC 61508

Designed, manufactured and supported in accordance with accredited

BS EN ISO 9001:2000 Quality Management Systems and

BS EN ISO 14001:2004 Environmental Management Systems

Operation

Temperature selector: Full no-touch temperature control.

Flow control: No-touch on/off.

Materials

Control panel cover: Chrome plated ABS.

Mixing unit enclosure: PC/ABS.

Integral components: DZR brass, stainless steel and engineering plastic.

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 and Default 30°C - 50°C.

Minimum blend temperature differential from hot supply: 2°C.

Optimum thermostatic control range: 30°C - 50°C.

Cold water range (recommended): 1°C - 20°C.

Hot water range (recommended): 50°C - 65°C (85°C during disinfection).

Temperature stability: ±1°C for recommended supply conditions.

Pressures

Maximum static pressure: 10 bar (1000 kPa).

Minimum pressure loss: 0.2 bar (20 kPa).

Hot and cold pressure should be nominally equal.

(Max differential 3:1 either way).

Minimum flow rate: <5 bar maintained pressure 4 l/min,
>5 bar maintained pressure 6 l/min.

Environment

Ambient temperature: 1°C - 40°C.

Maximum relative humidity: 95% non-condensing.

IP Rating

Control panel: IP47.

Overall valve enclosure: IP24.

Electronics compartment: IP45.

PSU: IP45.

Electrical Specification

Supply Voltage: 100 - 240 V RMS 50-60 HZ.

Maximum load: 20W at 12 V DC.

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

Flow Times

Factory settings

Flow time: 15 seconds.

Duty flush cycle: 2 minutes.

Duty flush waiting period: 2 hours.

Programmable range

Flow time: 5 sec - 60 min.

Duty flush cycle: 1 min - 59 min.

Duty flush waiting period: 1 hr - 983 hrs.

Duty flush not enabled at factory, programming required.

Disinfection

Factory settings

Minimum temperature: 60°C.

Minimum time: 5 minutes.

Programmable range

Minimum temperature: 60°C - 85°C.

Minimum time: 0 - 50 minutes.

Pocket PC (PDA*)

A Pocket PC is required to adjust factory settings, retrieve data, configure duty flush and disinfection cycles.

The programmer software supplied is designed to run on Microsoft Pocket PC 2002 and Microsoft Windows Mobile (for Pocket PC).

* Personal Digital Assistant (not supplied).

Please refer to software manual 1060584-W2-A

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