RADA MX1 20CUK
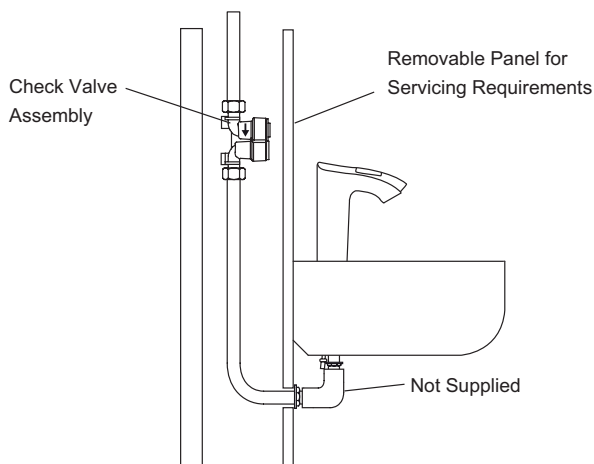## INTELLIGENT CARE HIGH BASIN TAP WITH TEMPERATURE CONTROL

- Non Touch IR flow control.

- Non Touch capacitive temperature control.

- Brass valve engine (no plastics).

- Integral smooth bore copper outlet pipe.

- Open bore flow insert, removable for easy cleaning.

- Copper inlet tails.

- High internal valve flow velocity.

- Air tested at factory.

- Programmable duty flushing / Thermal disinfection.

- Integral 12 month data log.

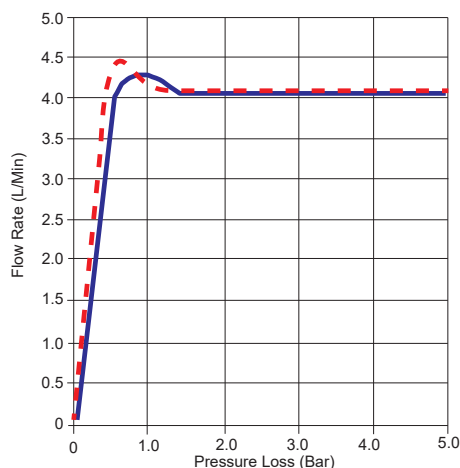- Networkable using modbus RTU over RS485.

- HTM04-01 Compliant.

Specify as: Rada MX1 20CUK (72940-CP)

Intelligent thermostatic basin tap with non-touch flow (IR) and temperature (capacitive) controls, smooth bore copper outlet pipe with open bore flow insert, check valve/filter unit, copper tails, programmable temperatures, run time, automated blend duty flush and cold flush, thermal disinfection, integral 12 month data log and optional connection to building network systems.
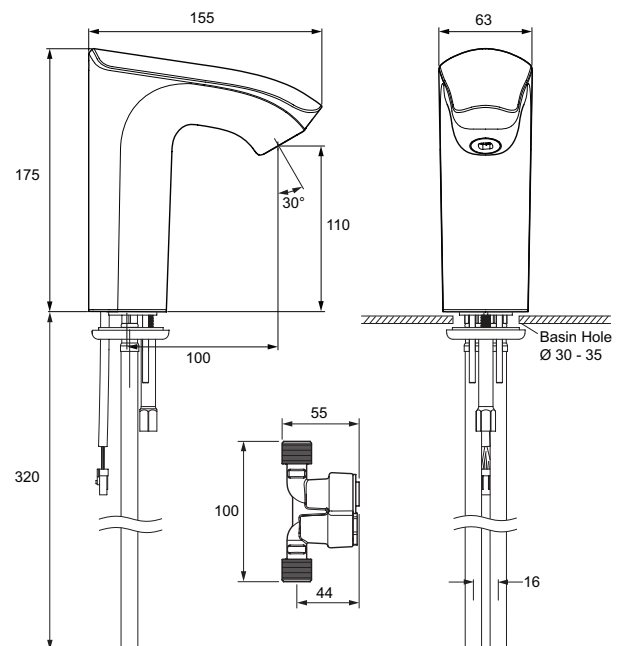
Installation Diagram

Check Valve Assembly

Removable Panel for Servicing Requirements

Not Supplied

Dimensions

155

63

175

30°

110

100

320

55

100

44

Basin Hole Ø 30 - 35

16

Flow Diagram

Flow Rate (L/Min) vs Pressure Loss (Bar)

rada

TECHNICAL SPECIFICATION

Operation

Flow: Infra red non-touch activation.

Temperature adjustment: capacitive sensor, allowing either non-touch adjustment by either holding or waving hand up to 35mm above temperature graphic, or touch control, using the temperature graphic pads.

Approvals

WRAS

KIWA UK

BEAB EN 60730-2-8

EN 61558-2-16 (Power Supply).

Temperature

Factory pre-set: 39°C

Factory pre-set temp. range - Min: 37°C, Max: 41°C

Programmable range - Min: 33°C Max: 45°C

Note: Full cold can be selected during programming

Hot water temp: 55 - 65°C (max 80°C for disinfection)

Temperature check mode: Allows measurement of blend as well as hot and cold inlet supplies.

Pressure Range

Note! Hot and cold supply pressures should be nominally equal.

Maximum static pressure: 10 bar

Minimum dynamic pressure: 1 bar

Maximum dynamic pressure: 5 bar

Connections

Basin hole diameter range: 30 - 35 mm.

Ware thickness: Max 38 mm.

Copper tails: 10 mm Self-coloured and open ended to allow cutting to desired length.

Checkvalve / filter / flow regulator assembly with integral isolation: 1/2″ BSP / 15 mm compression.

Flow

Modes: On/Off (Timed, Blocking)

Flow duration: Programmable (1 sec - 60 mins)

Electrical Specification

Power supply unit is supplied.

Power supply output:	Rated voltage: 12 Vdc
	Rated current: 2.5 A
Power supply input:	Rated voltage: 100 Vac - 240 Vac
	Rated current: 1.0 A
	Frequency: 50/60 Hz

IP Ratings

Tap: IP X4

Power supply unit: IP X4

Programming Options

Programming via Rada App using iOS tablet over Bluetooth

Blend Duty Flushing:

Operating modes: Off, Standard, Smart

Activation time: Real time scheduling (hrs/mins)

Interval period: 1hr - 1 Week

Flush duration: 1 sec - 25 mins

Set temperature: Programmable

Cold Only Flushing:

Activation time: Real time scheduling (hrs/mins)

Interval period: 1hr - 1 Week

Flush duration: 5 sec - 10 mins

Thermal Disinfection:

Operating modes: Off, Standard, Exponential

Flush duration: 1 - 30 mins

Minimum temperature: programmable

Networking

The MX1 Taps are networkable using modbus RTU over an RS485 connection.
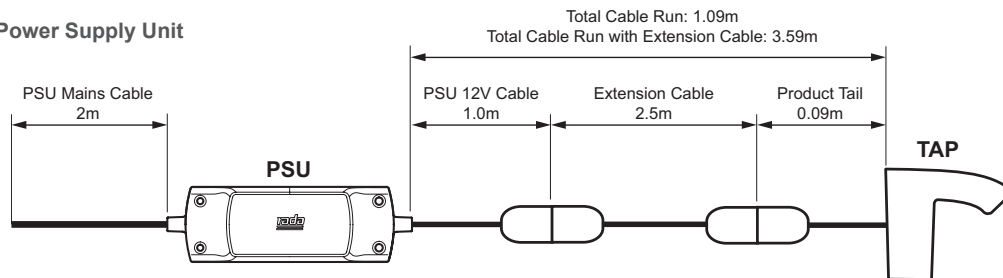
This enables the MX1 Taps to be linked to a Building Management System (Refer to seperate IC Networking Datasheet - P6480).

Networking

Part no. 76705-NA: Rada (ACI 9) 2.5m extension cable

Part no. 1.1664.234.1: Pall Filter Adaptor

Connection to Power Supply Unit

Total Cable Run: 1.09m
Total Cable Run with Extension Cable: 3.59m

PSU Mains Cable 2m

PSU 12V Cable 1.0m

Extension Cable 2.5m

Product Tail 0.09m

PSU

TAP

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