



Glossary of Terms
English

rada

A

A To D Error	The control PCB has detected a problem while measuring the infrared sensor, control knob or thermistors. Please reset valve to clear, if problems persist contact Rada customer services.
Activation	Controls flush setup, you can select either automatic or manual activation.
Activation Time	The scheduled approximate activation time when automatic mode selected.
Activations	The number of product activations over a pre-selected time.
Actual Duration	Is how long the flush or disinfection actually lasted. (Actual duration time highlights any deviation from intended time settings).
Adjustable Temperature Tap	Pre-sets.
Adjustable Temperature (Clinical)	Pre-sets.
Adjustable Temperature (Low Flow)	Pre-sets.
Adjustable Temperature (Low Flow / Time)	Pre-sets.
Adjustable Temperature (Patient)	Pre-sets.
Adjustable Temperature (Surgical)	Pre-sets.
Adjustable Temperature (Surgical)	Pre-sets.
Adjustable Temperature Tap	This tap allows the user to adjust the water temperature.
Algorithm Error	The control PCB has detected a problem with the temperature control algorithm. Please reset valve to clear if problems persist contact Rada customer services.
Arm	Prepares the valve into a ready state, in order to trigger a disinfection. (A safety feature where two buttons must be pressed in order to trigger a disinfection).
Automatic	This mode will use the configured flush settings and carry out an automated flush according to these parameters.

B

Blend Phase Timeout	Unable to maintain a steady blend temperature during temperature check.
Blocking	A mode to help prevent deliberate flooding. Once the products run on timer expires blocking mode is activated preventing water flow for a configured time.
Blocking Time	The configured length of time that the product prevents reactivation.

C

Calibration	Factory calibration parameters - DO NOT edit.
Check Aborted	User aborted temperature check.
Cleaning Mode	This mode activated by magnetic key allows the product to be cleaned without accidental operation.
Clear Valve Error	Resets any errors that are currently present in the valve.
Cold Calibration Value	Factory calibration parameters - DO NOT edit.
Cold Flush	A maintenance activity that is used to flush the cold supply pipework. (Does not use hot water).
Cold Flush Setup	The configuration of the cold flush parameters.
Cold Phase Timeout	Unable to maintain the correct cold temperature during temperature check.
Configuration	The firmware contained in the product.
Configuration Number	The firmware version the product is currently operating.
Connect	Initiates a connection with the valve.
Control Panel	The main navigational screen, with access all of the app / software functionality.
Controller Error	A fault has occurred with the control PCB. Contact Rada customer services.
Cool Down Temperature	The configured target temperature that a cold flush, must reach in order to achieve a successful result.
Cool Down Timeout	Time allowed to reach target (Default - 120s / Max - 1500s)
Copy Pre-Set	Allows you to copy a factory pre-set in order to use this as a basis for creating your own bespoke pre-set.
Current Setpoint	The live temperature setting - current use, cap touch setting, control knob position, duty flush, etc.
Current Status	The live state of the valve - in use, cleaning mode, duty flush, etc.

D

Data Logging	Data records of product operations and flush schedules.
Data Type	Parameter used to select/define the data type.
Default	The value the product will default to using factory settings.
Default Temperature	The value for blend operating temperature.
Delete Pre-Set	Allows you to delete a pre-set that you have created (You are unable to delete factory pre-sets).
Disable / Disabled	The function or product is deactivated and will not operate.
Duty Flush	A maintenance activity that is used to manage the quality of the water and integrity of the valve.
Duty Flush Setup	The configuration of the duty flush parameters.

E

EE Error	The control PCB has detected a memory corruption. Contact Rada customer services.
Enabled	The function or product is activated and will operate.
Exponential	A specific type of thermal disinfection where the time taken to carry out is based on the outlet temperature. IE. For every 5°C above the minimum temperature the time of the disinfection is reduced by half. (European / Netherlands setup)
Exponential Cold	As exponential but with the hot water routed through the cold inlet only. (Netherlands Only)
Export	Extracts the selected data log /type, in order to save the data to another location.

F

Fail, Coefficients not Set	Unable to start thermal disinfection. Check settings are correctly configured.
Fail, Cooldown	Cooldown temperature not achieved in the specified time. Check cold water supply can achieve temperature.
Fail, Disinfection not Allowed	Thermal disinfection has not been enabled.
Fail, General	Fail, general. Try resetting the product, if problem persists, contact Rada customer services.
Fail, Hot Lost	Disinfection failed due to hot supply falling below minimum required temperature. Check hot supply.
Fail, Modbus Cancelled	Disinfection failed due to user pressing 'abort' button.
Fail, No Flow	Blend duty flush cancelled as unable to detect flow through outlet. Check supply conditions and outlet.
Fail, No Hot	Blend duty flush failed as it was unable to attain configured flush temperature. Check hot water supply.
Fail, Not Maintained	Cold water flush temperature did not maintain the configured temperature for the specified time. Check cold supply.
Fail, Timeout	Thermal disinfection has taken longer than expected. Check for intermittent hot failures.
Fail, UI Aborted	Thermal disinfection has been cancelled by user.
Fail, Warm Up	Thermal disinfection didn't successfully reach desired temperature during warm up phase. Check hot supply.
Failed to Write to Device	Unable to write data to the selected product. Check connections.
File	Allows you to access local stored data log files.
Firmware	The valves control software.
Fix Temp Tap	Pre-set.
Fix Temp Tap (Low Flow)	Pre-set.
Fixed Temperature Tap	Pre-set.
Flash Error	The valves firmware is corrupt. Contact Rada customer services.

F

Flow Steps	A unit used for the calibration of flow. Low number = less flow.
Flush Feedback	The current status of the flush or disinfection activity.
Flush in Progress...	A flush is currently being carried out on this product.
Frequency	The number of repeat events within a specific timescale.
Full Cold Mode	Enables cold water to be accessible from the tap or shower to fill a vessel with cold water or for cleaning.

G

General Settings

Access to localisation/language settings and Rada customer services contact details.

H

Host Name / IP Address

The numerical label assigned to each device or product for identification and location addressing.

Hot Calibration Value

Factory calibration parameters - **DO NOT** edit.



Illegal Modbus Data Address	The product did not understand the request - Check it has the latest firmware installed.
Illegal Modbus Data Value	The data written was outside the expected range or the product is not configured to accept that data.
Illegal Modbus Function Name	The product did not understand the request - Check it has the latest firmware installed.
Installation Setup	The configuration of the installation parameters.
Installation Time & Date	The time and date when the valve was installed and commissioned The control PCB has detected an error with the user interface.
Interface Error	Please check connection. If problem persists, contact Rada customer services.
IR Not Calibrated	The infrared sensor has not been calibrated. Contact Rada customer services.
IR Sensor Calibration Value	Factory calibration parameters - DO NOT edit.

L

Last Flush Results	The results of the latest flush / disinfection that has been carried out on the product.
Latest Result	Retrieves the 'Latest result' of the last flush / disinfection / temperature check from the product.
Log Version	The numerical label assigned to each log for identification.

M

Maintain Temperature (°C / °F)	The temperature that the cold flush must stay below for the configured duration (cold flush default 18°C).
Manual	This mode will only carry out a flush or disinfection when activated by a user.
Minimum, Default, Maximum	Temperature parameters configured by the user.
Modbus CRC Error	Communication with the product was corrupted. Check connections and that all products have a unique unit address.
Modbus Device Busy	Selected device was unable to respond because it is carrying out another operation.
Modbus Gateway Path Unavailable	Check the network gateway is configured correctly. Check network bridge documentation.
Modbus Memory Partition Error	Data log has become corrupted. Contact Rada customer services.
Motor Calibration Error	Product is currently recalibrating motor position. If problem persists, contact Rada customer services.

N

Name Pre-Set...	Name the pre-set with something specific and recognisable.
Network	Network connection, allowing users to setup and connect to valves over a remote connection.
New Location	Network connection, allowing users to setup new host name / IP address.
Not Started	Flush / disinfection did not start. Check configuration



On / Off	A mode for control of water flow activation. Water flow is controlled by sensor activation or control knob position.
Operational State	Allows the user to enable or disable the product.
Outlet Status	Indicates whether the products outlet is idle or in use.
Over Temperature	Outlet has exceeded a safe operating temperature. Please wait for outlet too cool down, for safe usage. If problem persists, contact Rada customer services.
Outlet Setup	The configuration of the outlet parameters.
Outlet Timeout	The maximum time the outlet can be in use before it is automatically turned off.
Outlet Selection	The outlet that is currently selected for configuration by the user.
Outlet 1 & 2	The settings for both Outlet 1 & 2.
Outlet 1	The settings for Outlet 1.
Outlet 2	The settings for Outlet 2.

P

Port	Network communication port of ModBus network bridge. Default is 502.
Post Cold Flush	The configured time of a cold-water flush following the main flush / disinfection has finished.
Push Button Shower	This shower has on / off flow control and rotary temperature control.
Push Button Shower	Pre-set.
Push Button Shower (Sports)	Pre-set.

R

RAM Error	The control PCB has detected a RAM error. Please reset valve. If problem persists, contact Rada customer services.
Reason	Additional details for a pass or fail result.
Reason - 1	Details for outlet 1
Reason - 2	Details for outlet 2
Reflush	Allows the user to reactivate a flush / disinfection.
Run-on time	Controls the amount of time the flow continues to run after hands are removed from the sensor zones.

S

Save Settings	Is used to save the current settings to the selected pre-set.
Schedule	The timetable of flushes over a configured period of time.
Schedule - Week 1	A one week example of the upcoming scheduled flushes.
Scheduler Error	The control PCB has detected a timing error with the software. Please reset the valve. If problem persists, contact Rada customer services.
Searching / Found	Status of application / software when searching for product or network devices.
Select Data	Select all data or only error data.
Serial Number	Unique identification number of the product.
Seven-Day Usage	Total activation and total usage time over the last 7 days. Does not include the current day and is backdated left to right.
Show All Data	Used to select all of the data to view within a data log.
Show All Errors	Used to select all error only data to view within a data log.
Shut Off Mechanism	The control PCB has detected an error, the emergency shut of mechanism in the valve assembly may have broken. Check connections and if problem persists contact Rada customer services.
Single Sequential Shower	This shower has a single rotary control for both on/off and temperature.
Single Sequential Shower	Pre-set.
Smart	Designed to save water by only performing a duty flush at the scheduled time if the product has not been used. The flush will only be performed if the product has not been used for at least the flush duration within the last flush interval period.
Smart Oscillation	Designed to save water and optimise the potential for biofilm removal with an oscillating flow rate. The flow rate oscillates between the duty flush flow rate and the standard operating flow rate.
Standard	Performs a cold / duty flush at the scheduled time regardless of whether or not the product has been used.

S

Standard Cold	Performs a duty flush at the scheduled time regardless of whether or not the product has been used with a cold post flush.
Standard Oscillation	Designed to optimise the potential for biofilm removal with an oscillating flow rate. The flow rate oscillates between the duty flush flow rate and the standard operating flow rate.
Start Cold	Linked with the 'full cold mode' parameter, resulting in the water always starting cold. Designed for high use environments to reduce hot water usage.
Status	The pass or fail result of a flush or disinfection.
Status - 1	The pass or fail result of outlet 1.
Status - 2	The pass or fail result of outlet 2.
Storage Area	Data log storage area to save data logs locally on their iPad. (iOS functionality only)
Sub Type	The operating mode for the product.

T

Target Duration	A parameter that acts as a target duration for thermal disinfection activity. This is shown alongside the actual duration in the data log results.
Target Duration (Exponential)	Designed to reduce the thermal disinfection duration by adapting to the temperature of the water. Increased water temperature requires a shorter duration. For example: Product is configured with Duration of 20 mins, min disinfection temperature of 60°C. If the water temperature does not exceed 60°C then the disinfection will take 20 mins. If the water temperature is 70°C then only 10 mins are required.
Target Modbus Device Failed	Network Bridge only - the device may not be present on the network. Check network bridge documentation.
Temperature Check	An automated process to measure and record the hot, cold and blend temperature points.
Temperature Check Feedback	The current status of the temperature check activity.
Temperature Memory	The length of time that the tap will remember the temperature it was last set at.
Temperature Scale	The taps LED temperature display can be configured with 5 or 9 temperature increments to suit the user experience required.
Temperature Units ID	A specific exported data log title.
Thermal Disinfection	Traditional hot water-based disinfection to thermally cleanse the valve.
Thermal Disinfection Setup	The configuration of the thermal disinfection parameters.
Thermistor Failure	The control PCB has detected an error with the thermistor. Check connections, if problem persists replace thermistor. Contact Rada customer services.
Time (mins)	In 7-day usage, the total time the product has been used each day (24-hour period).
Time Between	The time interval between each flush.
Timed	A mode for control of water flow activation. Water flow is controlled by a configured length of time.
Timeout	The maximum time a thermal disinfection may take before aborting and recording a fail result.

T

Trigger	The button used to activate a flush or disinfection.
Twin Outlet Reduced Timeout	Pre-set.
Twin Outlet Shower	A shower with two outlets with a separate diverter and single rotary control for on/off and temperature control. (NB - 1 outlet on at a time)
Twin Outlet Shower	Pre-set.

U

Unconfigured

The control PCB has detected that it does not have valid configuration. Contact Rada customer services.

UI Aborted

The products sensor or rotary control was activated during flush / disinfection.

V

Valve & File Search	Search functionality to locate valves via communicator, Wi-Fi, Serial/USB connection and stored data logs.
Valve DOB	Date of product / valve manufacture
Valve Failure	The control PCB has detected an error with the valve mechanism. Contact Rada customer services.
Valve Health Check	Quick check feature, providing a summary of the most used features & functionality.
Valve Identity	The unique identity assigned to each valve / product for identification.
Valve Setup	Configuration of the valve setup parameters.
Valve Status	The current status of the valve.
Valve Time & Date	Approximate real time and date of each product
Valve Type	Exported data log title.
Valve Type ID	Exported data log title.
Version	Refers to the firmware version, currently installed on the valve.
Version Number	Refers to the app/software version, currently installed on your device.
View	To view the selected data fields contained in the data log.

W

Warm Up Time

The length of time that the valve has to reach the temperature defined for the flush / disinfection to operate at. If the water is unable to reach this temperature, within the configured time, the flush will automatically cancel and be logged as a fail within the data log.

Additional

5 increments

Taps can be configured with 5 temperature steps from the lowest to highest temperature, indicated by a single flash from the LED temperature feedback.

9 increments

Taps can be configured with 9 temperature steps from the lowest to highest temperature, indicated by a double flash from the LED temperature feedback.

Customer Support

Customer Services Guarantee

Your product has the benefit of Rada's comprehensive parts and labour manufacturer's guarantee which commences from date of purchase. Full guarantee terms and conditions can be found at www.radacontrols.com or contact your in region Rada representative or sales agent for further details.

Contact Us

If your product is not working correctly please refer to this manual for fault diagnosis and to check that it is installed and commissioned in accordance with our instructions. If this does not resolve the issue, then please contact our specialist teams who will be happy to help.

For UK based customers support please contact Rada Customer Services

T: + 44 (0)344 571 1777 Please note: UK calls cost 7p per minute plus your phone company's access charge

E: RadaCustomerServices@RadaControls.com

www.radacontrols.com

For customers based in the Republic of Ireland please contact our Rada Service agent

T: + 353 (0) 1 531 9337

E: CustomerServiceEire@mirashowers.com

For customers based in all other geographical regions please get in touch with your local Rada representative or agent whose contact details can be found by visiting our website www.radacontrols.com/en/contact-us/find-a-partner

Services

Our UK Rada Customer Service Team can provide **pre-specification** information as well as details on the **UK Rada product Commissioning Service and Maintenance Service Plans** whilst our nationwide team of field-based technicians are here to help if you need a **Reactive Service Call**. We stock a full range of Rada spare parts and fittings which can be purchased over the telephone.

Note: Regional services do vary please speak to your Rada representative or Sales agent for information on service provisions provided in your area.

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