OEM ELECTRONIC WATER MIXING SYSTEMS

Featuring touchpads, capacitive sensors and infrared technologies,
our smart systems are at the heart of your product.
Create unique connected products and let your customers enjoy an
App controlled device.

sedal
DIGITAL SYSTEMS

sedal
DIGITAL SYSTEMS

The world is changing faster than ever and our needs are evolving into a new reality.
We are aware of these new challenges and, as a result, we have created SEDAL CONNECT,
the new division of OEM electronic water mixing systems.

SEDAL CONNECT design and develop smart electronic valves and systems
to make life easier and to contribute to building this new world, where the people and the
Earth are the most important.

SUMMUM

SMART THERMOSTATIC SHOWER SYSTEMS

Premium thermostatic water systems for showers based on a range of electronic mixers and touchpads to manage the water.

digitap

DIGITAL FAUCET SYSTEMS

Thermostatic digital faucet systems controlled by multiple interfaces.

HYDRON

electronic commercial water systems

Range of electronic systems including infrared and capacitive technology for commercial and hospitality applications.

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1 FULLY ELECTRONIC SYSTEM

Our system consists of an electronic mixer CPU and a touchpad to control it. Summum has no cartridges, pulleys, gears, small electric motors or other similar wearing parts that need to be recalibrated or replaced, lengthening the product life.

2 HIGH FLEXIBILITY

SEDAL system is able to operate under several conditions, even with differential pressures of up to 4,5 bar. There is no need of stabilizers to compensate pressure changes between cold and hot water inlets.

OUT 1   OUT 2   OUT 3

CPU_iSCU_th
Electronic thermostatic mixer

sedal
CONNECT

sedal
CONNECT

COLD   POWER
              12V DC

SMART THERMOSTATIC SHOWER SYSTEMS

3 | EFFICIENCY & HIGH-PERFORMANCE

Our system offers the maximum precision in the reading and control of consumption parameters.
Precision sensors perform high-frequency water flow rate and temperature readings.

4 | ROBUSTNESS & DURABILITY

The main components of our technology are used by the leading European appliance brands.
The absence of friction ensures great durability in daily use.

5 | CONNECTIVITY 📱

SEDAL system offers intelligent communication features between device and user.
The system has different warning alarms. It also integrates digital flow rate and temperature control, allowing the user to monitor and customize user profiles and smart functions, providing an app to control the device, adding value to the user experience.

· SUMMUM ·

PERFORMANCE & FUNCTIONS

THERMOSTATIC & PRESSURE BALANCE SYSTEM*

The user can enjoy stable water flow and temperature without sudden variations thanks to an intelligent auto-calibration mode that corrects and stabilizes both flow rate and temperature in response to unexpected changes in water supply pressure.

*EN1111 or ASSE-1016.

From **6** to **28** l/min

TEMPERATURE STABILITY
± 0,3ºC
MIXED FLOW STABILITY
± 0,2 l/min

📱 ECO SHOWER

Showers that reduce the water flow up to 70% setting the shower to 6 litres per minute regardless of the water supply pressure and hydraulic resistance*.

*If it is more than 6l/min

📱 WARM UP MODE

Preheats the shower by flushing out cold water from the pipes until the desired pre-set temperature is reached.

SMART THERMOSTATIC SHOWER SYSTEMS

PAUSE MODE

Summum remembers the outlet, water temperature and flow rate that the user was using before soaping or shampooing. This way, the user can continue with its shower without introducing the parameters again.

SET UP AND STORE UP TO

4 USER PROFILES

USER MEMORY SETTINGS

The user profile memory setting allows to store the used preferred settings of temperature, flow rate and default outlet.

CHILD SAFETY SHOWER MODE

Set up water temperature, flow rate, water outlet and the usage time desired for child daily shower. The child will not be able to change the parameters set by parents.

CHILD CAN ONLY TURN ON AND OFF THE SHOWER AVOIDING SCALDING

INTELLIGENT BATH FILL

Fill up your bathtub at the desired temperature using the cold water of hot pipes at the beginning to avoid waste of water during the fill. It automatically stops when the water volume reaches the pre-set volume.

· SUMMUM ·

CUSTOMIZING WATER SEQUENCES

Set up and run water sequences combining temperatures, flow rates, alternative water outlets and time via app.

ANTI-SCALDING SAFETY MODE

Temperature limitation of the system to avoid scalding.

APPLICATIONS

Summum can be used in showers and shower columns in different applications.
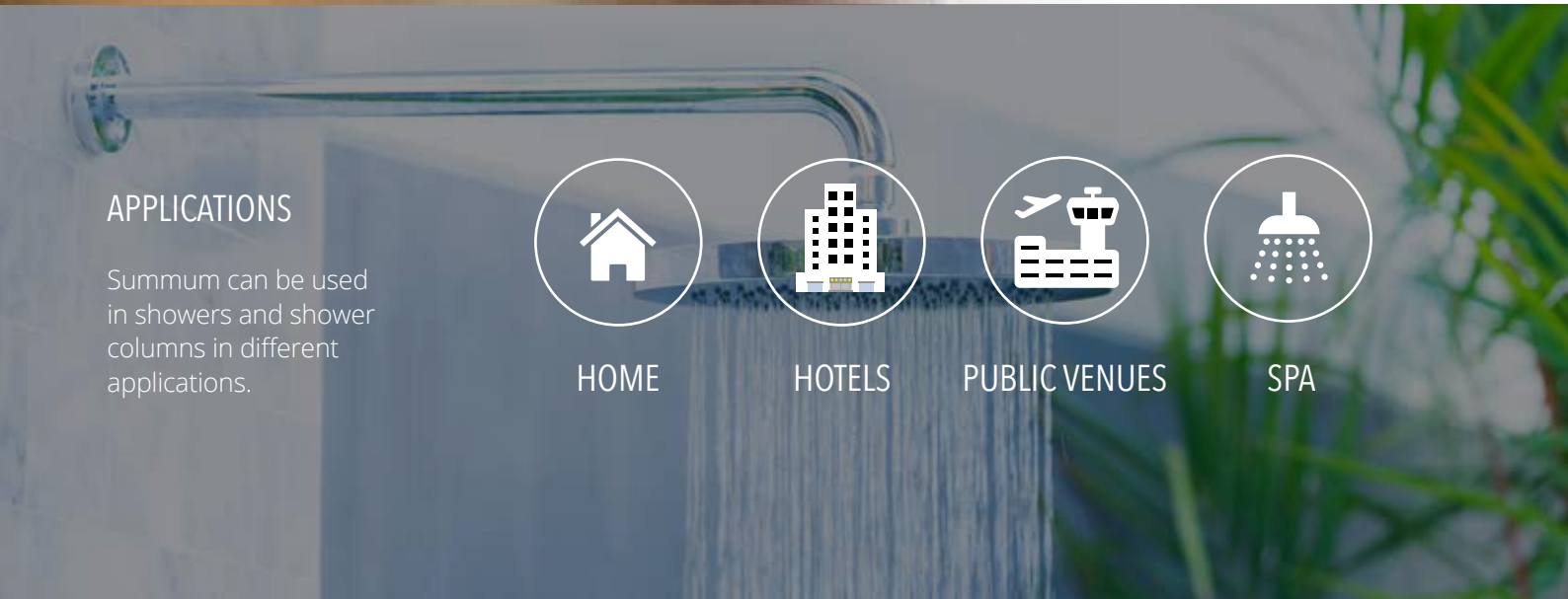
HOME   HOTELS   PUBLIC VENUES   SPA

SMART THERMOSTATIC SHOWER SYSTEMS

AUTOMATIC INSTALLATION (START-UP)

After piping installation, initializing the system is as simple as pushing a button, without the need of a PC. The Summum learns the enviromental conditions and adapts the valves for each outlet independently.

THERMAL DISINFECTIONS

The system performs thermal disinfection in all shower outlets. OEM thermal disinfection programs can be set by the manufacturer.

AUTOMATIC CLEAN-UP

Hot water is flushed through the outlets at the maximum temperature available in the boiler.

DETECTS AND DISPLAYS SYSTEM WARNINGS

Summum provides error detection and maintenance alarms, which remain stored in memory for report generation.

AUTOMATIC SHUT OFF

The system will pause and then stop automatically after a determined period of time.

AL1	AL2	AL3	AL4	AL5	AL6	AL7	ER1
COLD WATER LEAKAGE	HOT WATER LEAKAGE	COLD WATER FAILURE	HOT WATER FAILURE	INSUFFICIENT HOT WATER TEMPERATURE	COLD WATER TEMPERATURE TOO HIGH	TEMPERATURE SENSOR MALFUNCTION	COMMUNICATION ERROR

· SUMMUM ·

SUMMUM ONE

NEW!

From **2** to **24** l/min

iSCU TECHNOLOGY

Summum One system consists of a digital touchpad and an iSCU_TH_S valve, which is a smart electronic device with digital reading and an accurate, stable and thermostatic regulation of water temperature and flow rate.

WIFI

An additional Wifi module enables the connectivity to the cloud and direct communication to and from the iSCU_TH_S.

DIFFERENT VERSIONS & APPLICATIONS

Summum one is recommended for:
- Showers from one to three outlets, combined with iPLUS or iTECH touchpads.
- Shower columns combined with an iPANEL to create a Summum column.
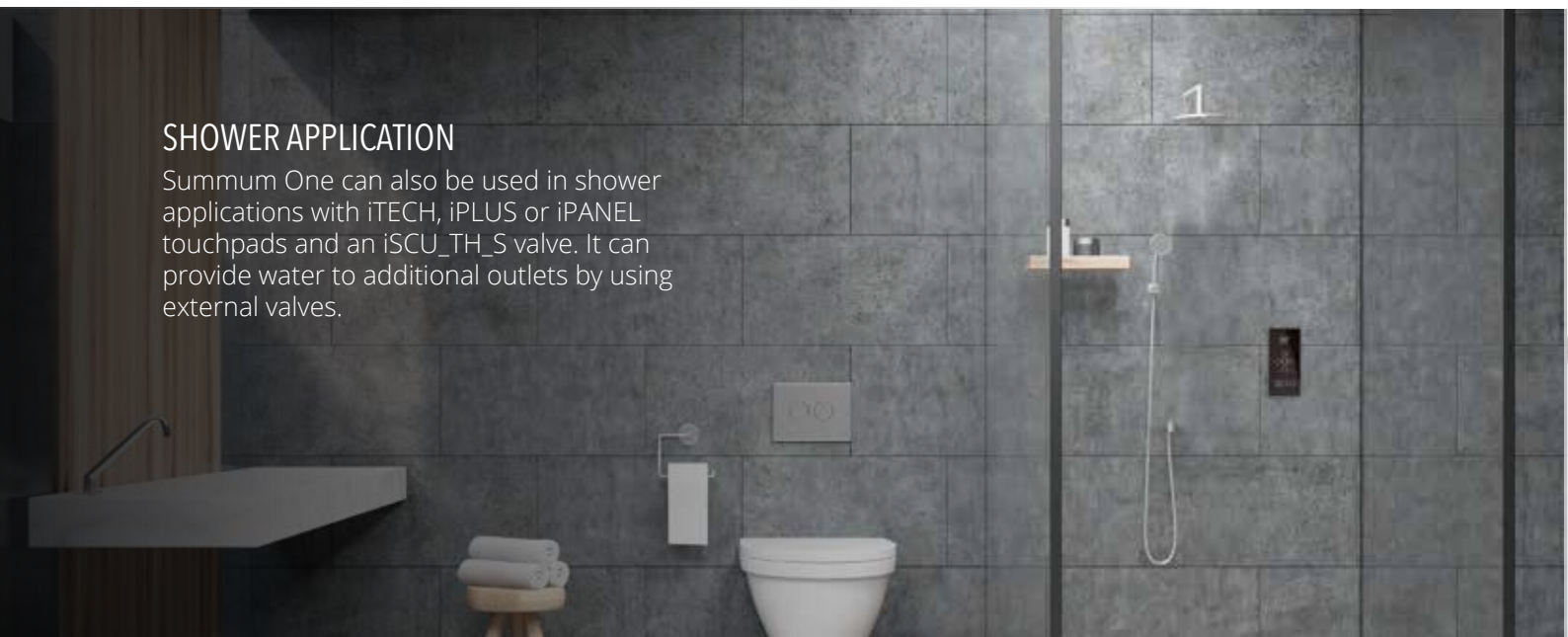
FEATURES

As part of the Summum range, the iSCU_TH_S valve features all of its advantages.

| SHOWER FEATURES |
| --- |
| Warm up |
| Pause mode |
| User memory settings |
| Child safety shower mode |
| Intelligent bath fill |
| Customizing water sequences |
| Anti-scalding safety mode |
| System warning detection |
| Automatic shut-off |
| Automatic initial start-up |
| Thermal disinfection |
| Wifi communication |

SHOWER APPLICATION

Summum One can also be used in shower applications with iTECH, iPLUS or iPANEL touchpads and an iSCU_TH_S valve. It can provide water to additional outlets by using external valves.

SMART THERMOSTATIC SHOWER SYSTEMS

OUTLET 2

220V

12V

iSCU_TH_S_2O

COLD WATER
MIXED WATER
HOT WATER

EXTERNAL
VALVES
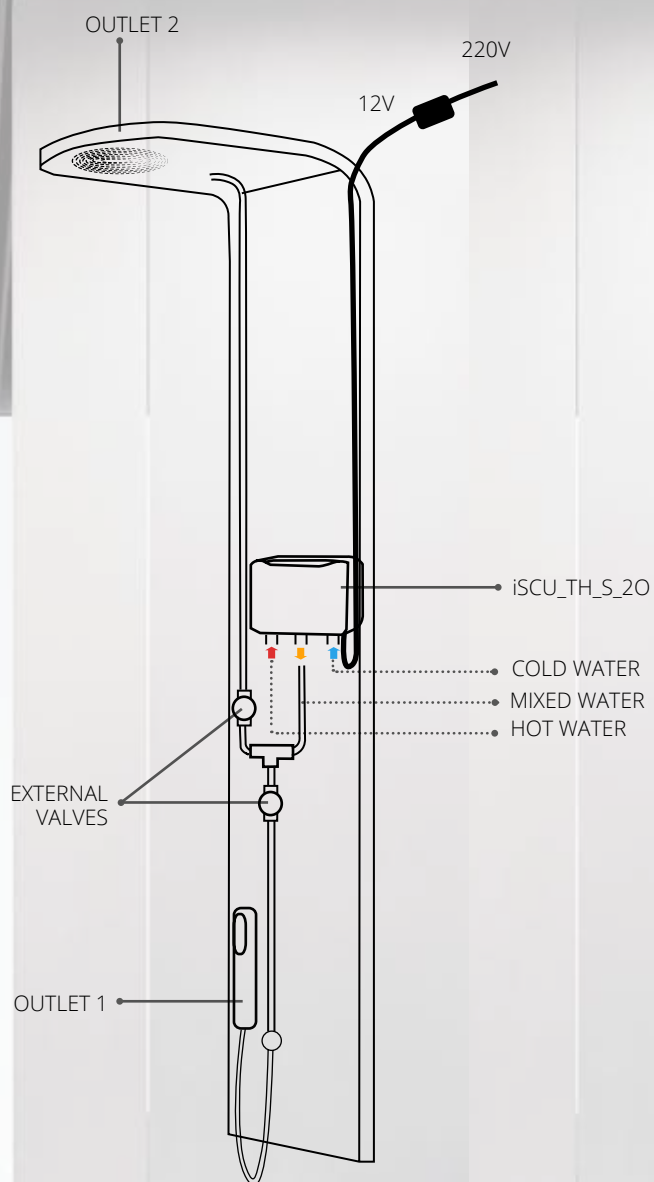
OUTLET 1

SHOWER COLUMN INSTALLATION

Up to 3 external valves can be driven by the iSCU_TH_S to provide water diverting to different outlets.

NEW!

CUSTOMIZED
PANEL
ON DEMAND

SHOWER COLUMN APPLICATON

The system can be installed in shower columns with customized touchpads. iSCU_TH_S fits perfectly into the space behind the column and simplifies installation in the bathroom.

digitap

1 DIGITAP SYSTEM

Our system consists of a iSCU_TH_F valve combined with one of our touchpads: iSQUARE or iPLUG. These systems are specially designed to make it easier for the manufacturer to adopt new technologies into its products.

2 FULLY ELECTRONIC SYSTEM

Digitap has no mechanical parts, small electric motors or other similar pieces that need to be recalibrated or replaced, lengthening the product life.

3 ROBUSTNESS & DURABILITY

The main components of our technology are used by the leading European appliance brands.
The absence of friction ensures great durability in daily use.

4 DIFFERENT TOUCHPADS

Digitap range includes wall-mounted and counter-top touchpads, capacitive interfaces and customized solutions to fulfill manufacturers requirements.

5 CONNECTIVITY

SEDAL system offers intelligent communication features between device and user. The system allows the user to monitor data via cloud and configuration of smart functions via app.

digitap

THERMOSTATIC & PRESSURE BALANCE

The first tap with thermostatic control and pressure balance.

From 2 to 22 l/min

SMART AUTO-DISPENSING FUNCTION

- Teeth brushing water dispensing in bathroom applications
- Glass auto-filling function for kitchens

FLOW RATE DIRECT QUICK ACCESS

Mixed water memory at high flow and low flow only by pushing a button.
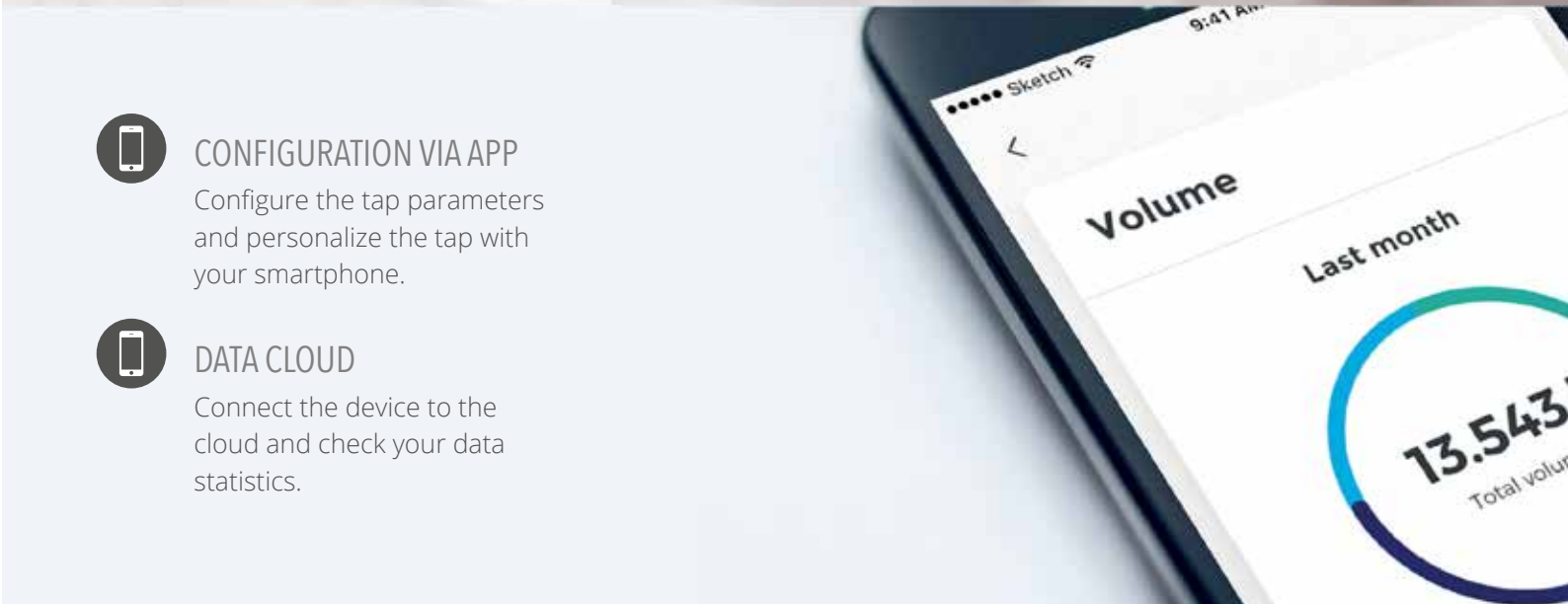
ABSOLUTE FLOW RATE

Digitap ensures the same flow rate in l/min independently on the pipeline conditions.

DIGITAL FAUCET SYSTEMS

THERMAL DISINFECTION
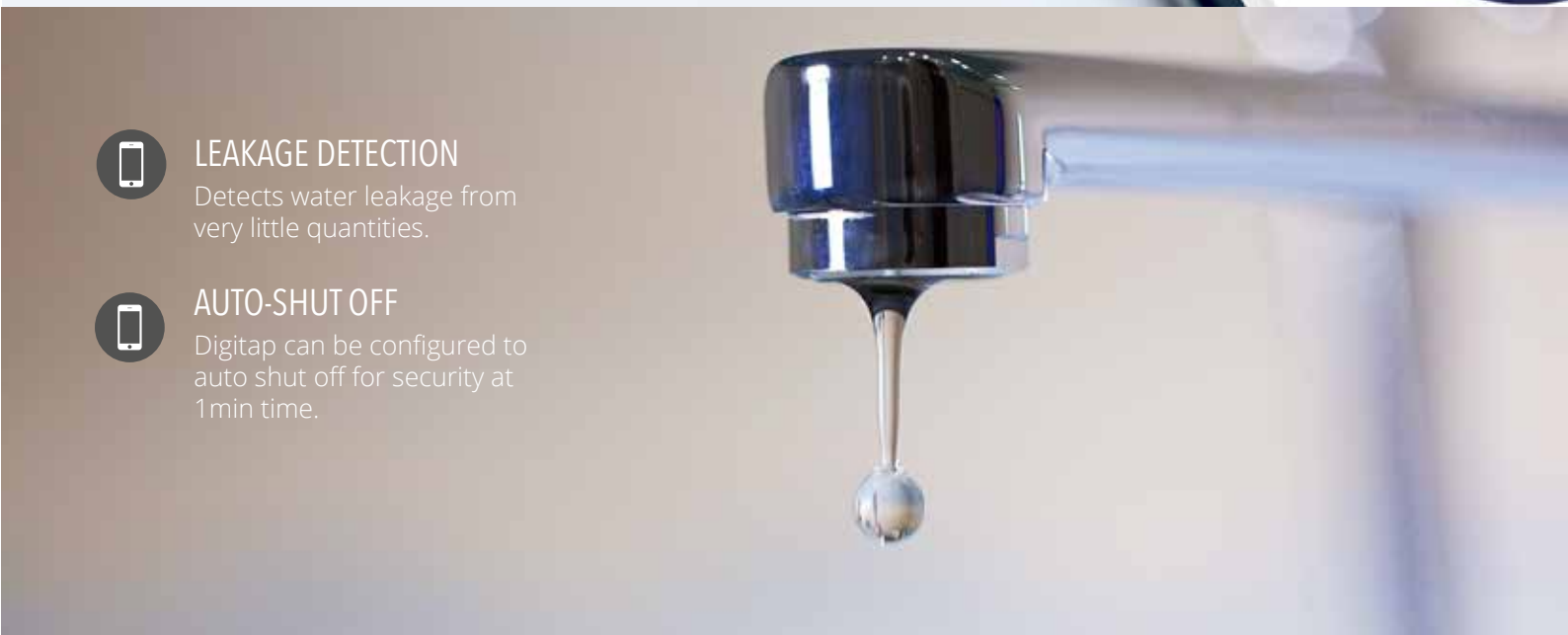The system performs thermal disinfection at the maximum temperature available in the boiler.

CONFIGURATION VIA APP
Configure the tap parameters and personalize the tap with your smartphone.

DATA CLOUD
Connect the device to the cloud and check your data statistics.

LEAKAGE DETECTION
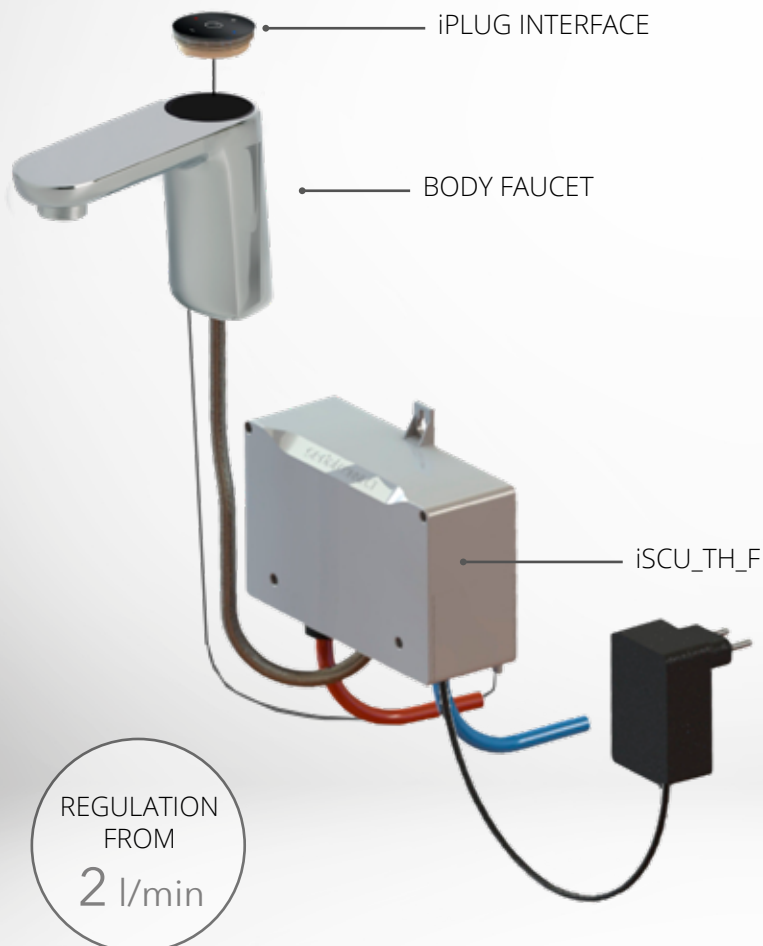Detects water leakage from very little quantities.

AUTO-SHUT OFF
Digitap can be configured to auto shut off for security at 1min time.

digitap

iPLUG

Digitap iPLUG

iPLUG is a touchpad that allows the user to control water flow, temperature and special functions activation.

iPLUG INTERFACE

BODY FAUCET

iSCU_TH_F

REGULATION FROM

2 l/min

FEATURES

Digitap provides the most important features of our showering range adapted to taps, adding water regulation at low flow rate capability.

FAUCET FEATURES
Smart auto-dispensing function
Flow rate direct quick-access
Leakage detection
Automatic shut-off
Thermal disinfection
Pause
Anti-scalding safety function
Automatic installation (start-up)
Wifi communication

DIGITAP SYSTEMS

Digitap is a thermostatic mixer for faucets that combine iSCU_TH_F valve with iPLUG touchpad.

WIFI

Digitap iPlug system can be upgraded with an additional Wifi module that enables connectivity.

DIGITAL FAUCET SYSTEMS

MORE TEMPERATURE (HOT)
Simple Push

MORE FLOW RATE
Simple Push

START
Simple push
Continuous light

LESS TEMPERATURE (COLD)
Simple Push

PAUSE
Simple push
10 seconds duration

LESS FLOW RATE
Simple Push

SMART FUNCTIONALITIES

MEMORY SETTING
Continuous push
Light effect

HIGH-FLOW RATE
Simple Push before start
with memory temperature

THERMAL DISINFECTION
Continuous Push before start

AUTO-DISPENSING
Simple Push before start
• Teeth brushing function for bathroom
• Glass auto-filling function for kitchens

ECO-FLOW RATE
Simple Push before start
with memory **temperature**

AUTO-DISPENSING SET UP
Continuous Push before start

digitap

iSQUARE

Digitap iSQUARE
Digitap iSQUARE system combines an iSCU_TH_F valve and a simple multifunctional touchpad to manage water flow and temperature.

FEATURES

Digitap provides the most important features of our showering range adapted to taps, adding water regulation at low flow rate capability.

FAUCET FEATURES
Smart auto-dispensing function
Flow rate direct quick-access
Leakage detection
Automatic shut-off
Thermal disinfection
Pause
Anti-scalding safety function
Automatic installation (start-up)
Wifi communication

BODY FAUCET

iSQUARE INTERFACE

REGULATION FROM
2 l/min

iSCU_TH_F

DIGITAP SYSTEMS

Digitap is a thermostatic mixer for faucets that combine iSCU_TH_F valve with iSQUARE or iPLUG touchpads.

WIFI

Both Digitap iSquare and iPlug systems can be upgraded with an additional Wifi module that enables connectivity.
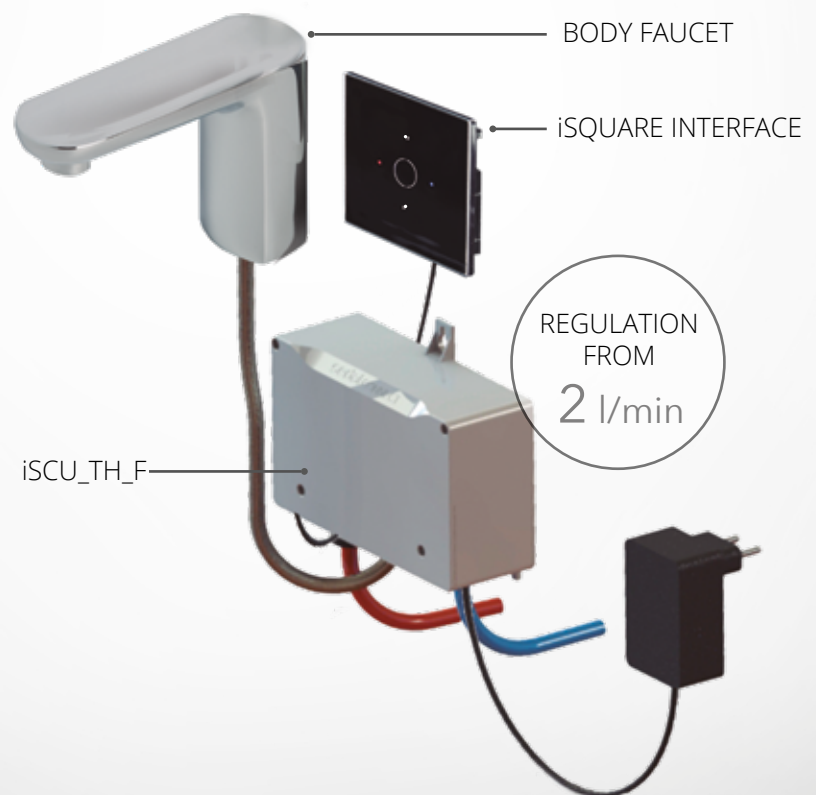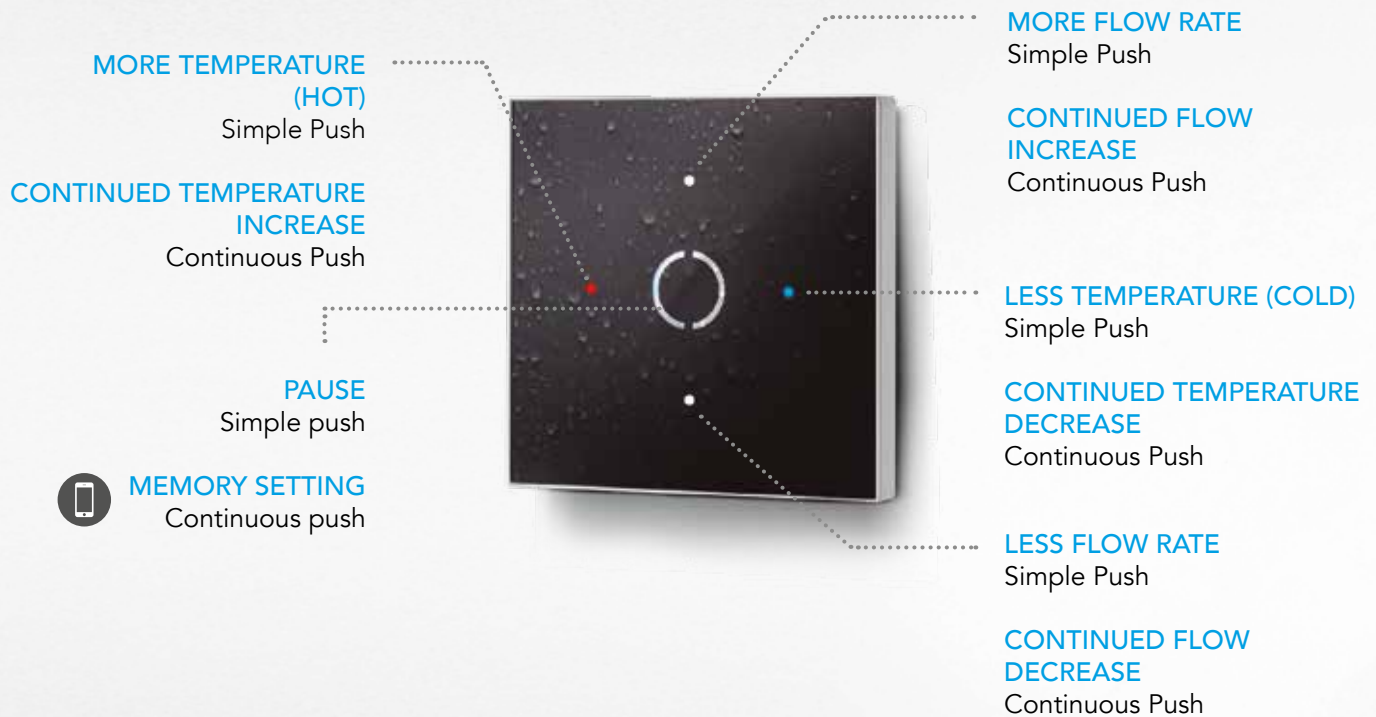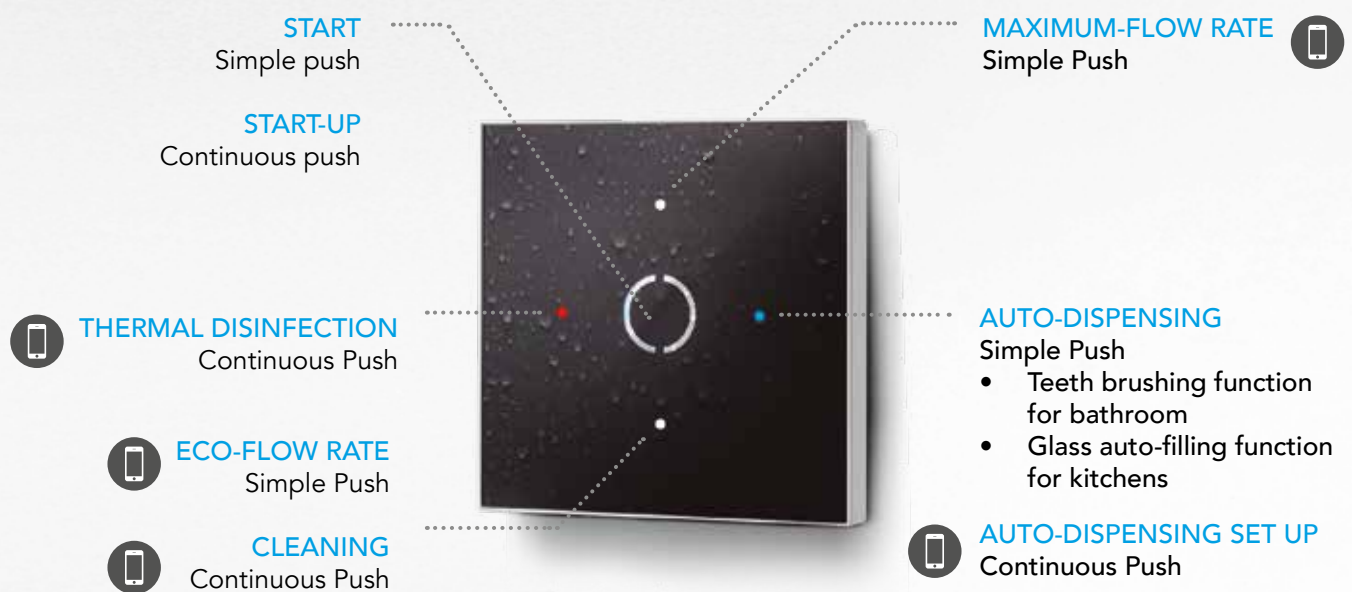
iSCU TECHNOLOGY

iSCU_TH_F is the smart electronic valve controlling Digitap. It has digital reading and an accurate, stable and thermostatic regulation of water temperature and flow rate.

FUNCTIONS IN ON MODE

MORE TEMPERATURE (HOT)
Simple Push

CONTINUED TEMPERATURE INCREASE
Continuous Push

PAUSE
Simple push

MEMORY SETTING
Continuous push

MORE FLOW RATE
Simple Push

CONTINUED FLOW INCREASE
Continuous Push

LESS TEMPERATURE (COLD)
Simple Push

CONTINUED TEMPERATURE DECREASE
Continuous Push

LESS FLOW RATE
Simple Push

CONTINUED FLOW DECREASE
Continuous Push

FUNCTIONS IN OFF MODE

START
Simple push

START-UP
Continuous push

THERMAL DISINFECTION
Continuous Push

ECO-FLOW RATE
Simple Push

CLEANING
Continuous Push

MAXIMUM-FLOW RATE
Simple Push

AUTO-DISPENSING
Simple Push
- Teeth brushing function for bathroom
- Glass auto-filling function for kitchens

AUTO-DISPENSING SET UP
Continuous Push

CONNECTIVITY

·SUMMUM· digitap

APP

USER CUSTOMIZATION

The user will be able to customize its Summum or Digitap device with the desired functions thanks to the app.

· Warm-up function linked to wake-up alarm
· Smart bath fill
· Children safety shower
· Set up and store up to 4 user profiles
· Spa programs
· Historical of alarms and data
· Special functions activation (legionella and self-cleaning)

OEM CUSTOMIZATION

· Pre-defined settings available under customer requirements
· Tailor made APP layout according to OEM specifications

SEDAL
APP

AVAILABLE FOR

iOS ANDROID

WARM-UP & ALARM FUNCTION   CONSUMPTION STATISTICS   THERMAL DISINFECTION

CONSUMPTION AWARENESS

The user can see consumption of water and energy statistics via app.

CLOUD

CONNECTED TO THE WORLD

Connectivity enables our devices for our customers iOT (Internet of things) strategies. Summum and Digitap are connected to the cloud and BMS. This allows easier maintenance in public venues, spas, hotels or airports.

The building manager will be able to connect to all summum systems at once and carry on:

- Thermal disinfection
- Troubleshooting
- Alarm detection
- Consumption statistics
- Preventive maintenance

REMOTE DIAGNOSIS

Easy and quick maintenance due to possibility of remote trouble shooting through cloud governance.

MULTIPLE CONNECTIVITY

Our systems offer different kinds of connectivity to adapt to every application and installation environment:

- WIFI
- Bluethooth
- Zigbee
- Mesh

ELECTRONIC WATER MIXERS

CPU_iSCU_TH_F

Smart thermo flow-static mixer system with one outlet for faucets.

NEW!

Recommended display

iSQUARE iPLUG

CPU_iSCU_TH_S_10 /20 /30

Smart thermo flow-static mixer system with one, two or three outlets for showers.

NEW!

Recommended display

iTECH   iPLUS

INTELLIGENT MIXING VALVES

Innovative thermostatic mixing technology, completely electronic. It includes electro valves and various high-precision sensors connected to electronics that calculates the exact proportion of hot and cold water to obtain the flow and temperature required for the user.
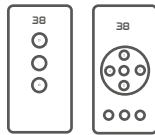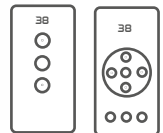Available from one to four outlets.

CPU_iV2th_20

Smart thermo-flow static mixer system with two outlets.

Recommended display

iTECH   iPLUS

CPU_iV2th_30

Smart thermo-flow static mixer system with three outlets.

Recommended display

iPLUS

CPU_iV2th_40
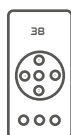
Smart thermo-flow static mixer system with four outlets.

CUSTOMIZED TOUCHPAD ON DEMAND

COMPARISON TABLE

DETAILS	iSCU FAUCET	iSCU SHOWER			iV2 SHOWER		
	CPU_iSCU_TH_F	CPU_iSCU_TH_S_1O	CPU_iSCU_TH_S_2O	CPU_iSCU_TH_S_3O	CPU_iV2_TH_2O	CPU_iV2_TH_3O	CPU_iV2_TH_4O
Behavior	Thermo&Flow static	Thermo&Flow static	Thermo&Flow static	Thermo&Flow static	Thermo&Flow static	Thermo&Flow static	Thermo&Flow static
No. of outlets	1	1	2	3	2	3	4
2 simultaneous outlets	–	–	–	–	•	•	•
Min. Flow rate[1]	2 l/min	2 l/min	2 l/min	2 l/min	6 l/min	6 l/min	6 l/min
Max. Flow rate 1 outlet[1]	22 l/min[2]	24 l/min	22.3 l/min	22.3 l/min	22,1 l/min	22,1 l/min	22,1 l/min
Max. Flow rate 2 simultaneous outlet[1]	–	–	–	–	28,2 l/min	28,2 l/min	28,2 l/min
Max. Pressure Differential	4,5 bar	4,5 bar	4,5 bar	4,5 bar	4,5 bar	4,5 bar	4,5 bar
Min. Pressure	1 bar	1 bar	1 bar	1 bar	1,5 bar	1,5 bar	1,5 bar
Max. Pressure	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar
Power supply - DC	12v	12v	12v	12v	12v	12v	12v
SPECIAL FUNCTIONS	CPU_iSCU_TH_F	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iV2_TH_2O	CPU_iV2_TH_3O	CPU_iV2_TH_4O
No. User settings	1	3	3	3	3	3	3
Smart auto-dispensing function	•	–	–	–	–	–	–
Anti-scalding safety	•	•	•	•	•	•	•
Automatic installation (start-up)	•	•	•	•	•	•	•
Auto shut-off	•	•	•	•	•	•	•
Warm up	–	•	•	•	•	•	•
Pause	•	•	•	•	•	•	•
Eco flow-rate	•	•	•	•	•	•	•
Child Shower	–	•	•	•	•	•	•
Spa program	–	•	•	•	•	•	•
Bath Fill	–	•	•	•	•	•	•
MAINTENANCE	CPU_iSCU_TH_F	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iV2_TH_2O	CPU_iV2_TH_3O	CPU_iV2_TH_4O
Thermal disinfection	•	•	•	•	•	•	•
Automatic clean up	•	•	•	•	•	•	•
Alarms	•	•	•	•	•	•	•
RECOMMENDED DISPLAY[3]	CPU_iSCU_TH_F	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iV2_TH_2O	CPU_iV2_TH_3O	CPU_iV2_TH_4O
iPlus	–	•	•	•	•	•	–
iTech	–	•	•	•	•	–	–
iSquare	•	•	–	–	–	–	–
iPlug	•	–	–	–	–	–	–
iPanel / Custom	On OEM demand	On OEM demand	On OEM demand	On OEM demand	On OEM demand	On OEM demand	On OEM demand
CONNECTIVITY	CPU_iSCU_TH_F	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iSCU_TH_S	CPU_iV2_TH_2O	CPU_iV2_TH_3O	CPU_iV2_TH_4O
Interface Com	•	•	•	•	•	•	•
Communications port/WIFI	•	•	•	•	•	•	•

[1] Free flow at 3 bars [2] Can be limited on factory [3] All displays are compatible. These are recommendations.

HYDRON

1 | WATER SAVING

Infrared sensing and capacitive technologies with customizable automatic shut-off time help reducing water consumption in intensive use applications.

electronic commercial water systems

2 CLEAN & HYGIENIC

Touchless operation with infrared sensors or activate a touch sensitive faucet with a slight touch of an arm help reduce germs and bacteria contamination.

3 EASY MAINTENANCE

Built-in filters to avoid impurities that could affect water flow and performance. Valves are protected by an IP65 casing to resist thorough facility cleaning.

4 RELIABILITY

Hydron electronic systems have been designed to work in harsh environments. Packed into a rugged case, our valves and sensors have a service life of over 500.000 cycles.

HYDRON

i·red core   i·red   i·red⁺   i·red LP

MIXING HEART INSIDE

i-red core systems for integration into faucet bodies for robust and durable designs.

With a built-in mixing valve and handle, the i-red core delivers pre-mixed water automatically in a compact body design, allowing easy installation where under-the-sink access is compromised.

The endurance of both the on-off and the mixing valve have been tested beyond standards to provide years of safe and reliable operation in public spaces.

STRAIGHT FORWARD OPERATION

Sedal's i-red for faucets are designed to work flawlessly with several off-the-shelf sensors and AC, DC and AC/DC power sources.

The range is comprised of 3 main versions: i-RED (fixed distance), i-RED+ (adjustable distance) and i-RED LP (low pressure).

With over 500.000 cycles, our valves and sensors endure under the most demanding commercial applications for your customers' peace of mind.

electronic commercial water systems

i·red flush

dual sense

URINAL FOSTERING SAVING

i-red flush for urinals safely and reliably delivers the right amount of water at every use condition.

Packed with UFD Technology that adjusts water flushes depending on the frequency of use, it helps your customers manage water consumption in buildings with high or low volume of users.

i-red flush line can be fully customized to your needs in regards to functionality and front plate design.

SMART, REALLY

Specially designed for kitchen faucets, the dual sense valve range offer a new way to operate by gently touching the faucet surface.

Whereas normal capacitive systems have one sensor for the body, dual sense adds another sensing area in the handle. This makes the system completely intuitive and needless to know it is a touch faucet.

Variants with bypass button and single sensor are also available in the range.

HYDRON

i-red core

SELF-CONTAINED MIXING BODY

i-RED CORE is a complete infrared system in a single body that combines a mixing valve, IR sensor, high grade solenoid on-off valve, battery pack (optional AC adaptor) and a plastic or brass body that acts as the main structural component.

The faucet is built around the body making the design extremely simple and easy to cast and machine.

Installation becomes more simple as there is no external valve box under the sink.

COMPATIBLE SENSORS

S3 CORE
Infrared sensor for cilindric body faucet with round window.

S13 CORE
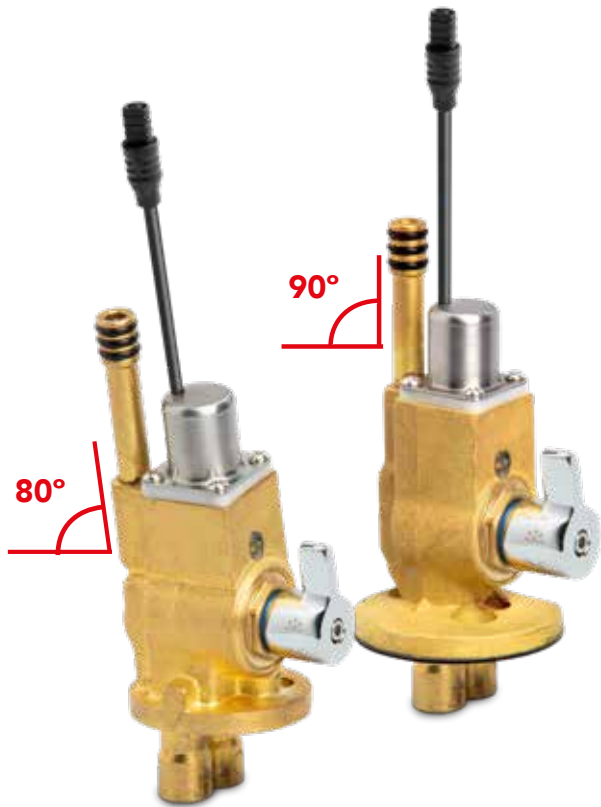Infrared sensor for cilindric body faucet with round window fixed with metal bracket.

S14 CORE
Infrared sensor for cilindric body faucet with long shape window.

electronic commercial water systems

CORE BR90 / BR80

90°

80°

BATTERY HOLDER
Prepared for 4x AA type batteries, optional AC adaptor available.

CERAMIC CARTRIDGE
Brass Core features a ceramic mixing cartridge for extended life expectancy.

CORE PL90 / PL60

SAFE HOSE FIXING
Plastic Core include a set of 600mm stainless steel hoses with safety bracket.

60°

90°

BATTERY HOLDER
Prepared for 4x AA type batteries, optional AC adaptor available.

HYDRON

i·red

Infrared systems have been used for decades in faucets to avoid touching potentially contaminated surfaces at high influx venues, although it is something increasingly common in private homes.

i-RED systems is the Sedal's response to the demand of highly efficient automatic water delivering faucets based on inrared sensors.

With a defined detection area and distance, i-RED is the entry level infrared system that allows easy integration into faucets with detection windows either in the main body, at the spout or wall mounted.

Sedal offers alternative OEM designed sensors for special applications or different sapes.

electronic commercial water systems

WATER SAVING
Infra-red fixed distance sensor activation with automatic shut-off time which can be customized.

CLEAN & HYGIENIC
Faucet activation is done by entering the hand into the sensor zone.

EASY MAINTENANCE
Built-in filter to avoid impurities which could affect the proper water flow.

POWER SUPPLY
3 different power options: Battery (DC), mains power supply (AC) and hybrid (AC+DC).

COMPATIBLE SENSORS

S1
Infrared sensor for curved body faucet.

S2
Infrared sensor for straight body faucet.

S3
Infrared sensor for wide base faucets.

S5
Infrared sensor for round spout, located after the outlet.

S6
Infrared sensor for square spout, located after the outlet.

OTHER SHAPES TO BE DEVELOPED UNDER REQUEST

HYDRON

i▪red⁺

Invisible sensor technology that allow for faucet designers to free the body from the restrains of a machined window to place the sensor offering a comfort experience with intuitive gesture.

Classic infrared faucet design are overcome with the Kits by Sedal, which are located at the outlet of the spout making them virtually invisible.

SELF-ADJUSTING

In addition to i-RED standard characteristics, HYDRON i-RED+ systems include an adjusting feature to set the activation distance with a simple button push procedure.

This feature is specially useful in highly reflective environments and spout sensor faucets where the risk of reflection in the sink is higher.

electronic commercial water systems

S7 SENSOR KIT

Round Infrared Sensor to be placed at the outlet of the spout including top performance areator.

INNER HOSE   CLAMPS   ADAPTOR   AERATOR

FIXING SCREW

TOOL

HARNESS ADAPTOR

S8 SENSOR KIT

Semi-circular Infrared Sensor to be placed at the outlet of the spout.

INNER HOSE   CLAMPS   ADAPTOR + AREATOR

FIXING SCREW

HARNESS ADAPTOR

S9 SENSOR KIT

Squared Infrared sensor to be placed at the spout outlet of a squared faucet.

INNER HOSE   CLAMPS   ADAPTOR + AREATOR

FIXING SCREW

HARNESS ADAPTOR

HYDRON

i▪red LP

LOW PRESSURE VALVE

i-RED LP low pressure valve performs outstandingly in pressures ranging 0,2BAR to 4,0BAR. Suitable for head pressure applications or very low pressure mains water systems.

Available in the same range of sensors as i-RED and i-RED+.

COMPATIBLE SENSORS

i▪red LP compatible

S1 Infrared sensor for curved body faucect.

S2 Infrared sensor for straight body faucet.

S3 Infrared sensor for wide base faucets.

S5 Infrared sensor for round spout, located after the outlet.

S6 Infrared sensor for round spout, located after the outlet.

i▪red⁺ LP compatible

S7 SENSOR+ KIT Round Infrared sensor to be placed at the spout outlet.

S8 SENSOR+ KIT Semi-circular Infrared sensor to be placed at the spout outlet.

S9 SENSOR + KIT Rectangular Infrared sensor to be placed at the spout outlet.

electronic commercial water systems

i·red flush

Highly efficient and economic solution for urinals packed with advanced technologies to save water with minimal maintenance while using a very low amount of energy.

ENERGY SAVING
Battery powered infra-red sensor activation
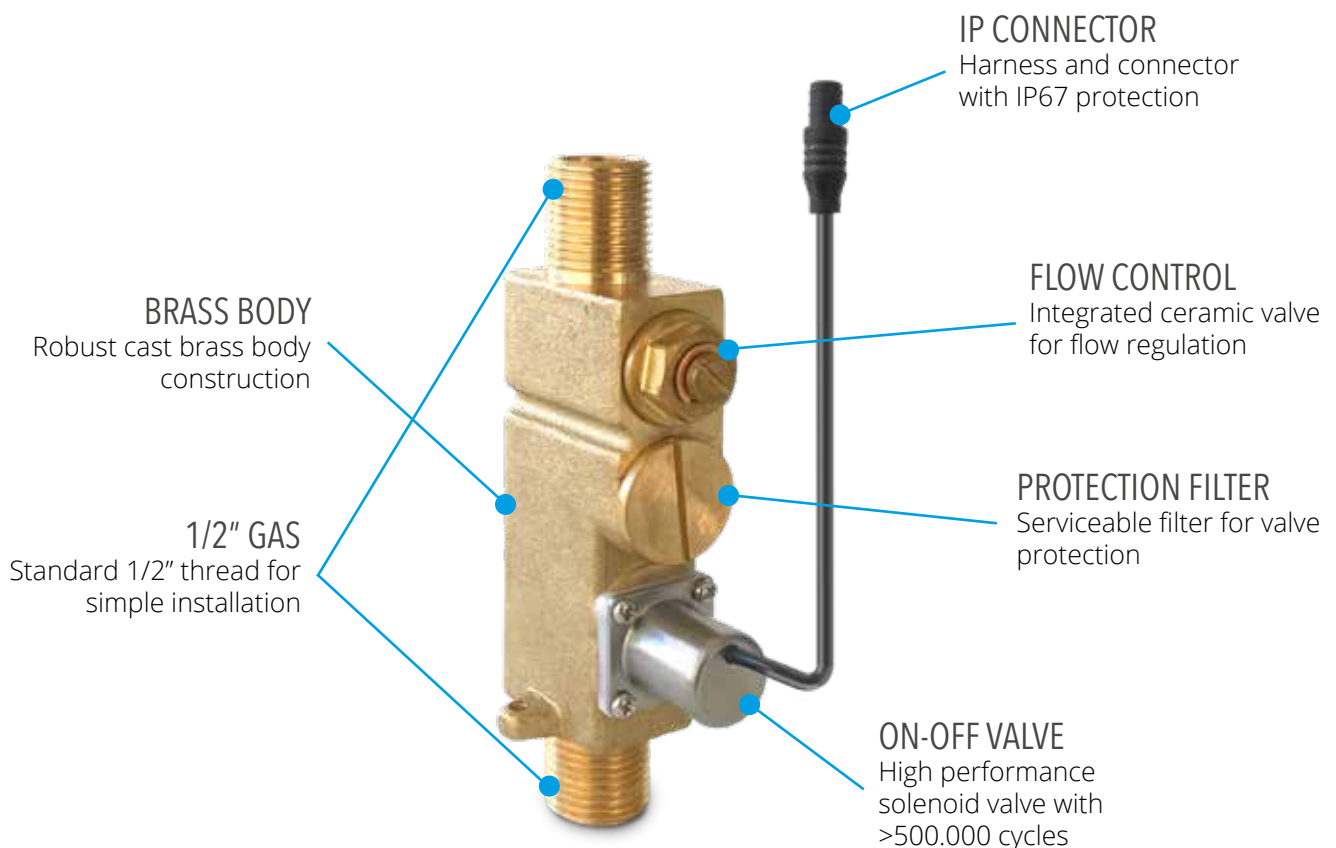(over 100.000 flushes on 4x AA battery type).

HYGIENIC
Automatic flush before and after use and 24 hour odor trap refill to improve bathroom atmosphere.

HASSEL-FREE
UV light and ghost reflections optimization avoid random activations or defficient detections.

UFD TECHNOLOGY
Hydron i-RED Flush features Use Frequency Detection to help saving water in high frequency venues while keeping sanitation in valley times.

IP CONNECTOR
Harness and connector with IP67 protection

FLOW CONTROL
Integrated ceramic valve for flow regulation

PROTECTION FILTER
Serviceable filter for valve protection

ON-OFF VALVE
High performance solenoid valve with >500.000 cycles

BRASS BODY
Robust cast brass body construction

1/2" GAS
Standard 1/2" thread for simple installation

HYDRON

sense

Simple touch
A simple touch anywhere on the body faucet activates the flow of water.

Self-adjusting
Self-adjusting to its installation environment.

Easy maintenance
Built-in filter to avoid impurities which could affect the proper flow of the flow valve.

dual sense

Touch experience
New features without any learning curve. With a simple touch on the spout or the body you will open and close the faucet and dispense water.
Single lever equipped with a second sensor which ensures mechanical cartridge priority.

Combination of technologies
Digital technology combined with a mechanical cartridge to allow push and pull movements. In addition, like SENSE model, it adapts itself to the installation environment and has two built-in filters.

Manual opening
In case of electric power supply failure, the user can open manually the faucet by pushing the button on the box.

Backup battery
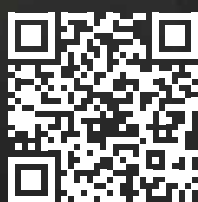In case of electric power supply failure the device will auto shut-off all valves.

electronic commercial water systems

COMPARISON TABLE

DETAILS	iRED	iRED+	iRED·PRO	SENSE	DUAL SENSE
Flow rate*	10,8 l/min	10,8 l/min	10,8 l/min	8 l/min	8 l/min
Max. hot water	75ºC	75ºC	75ºC	55ºC	55ºC
Min pressure	1 bar	1 bar	1 bar	1 bar	1 bar
Max pressure	7 bar	7 bar	7 bar	7 bar	7 bar
Durability (500.000 cycles)	●	●	●	●	●
Power supply - DC	6V (4xAA)	6V (4xAA)	6V (4xAA)	6V (4xAA)	6V (4xAA)
Power supply - AC	230V (50Hz) / 110-120V (60Hz)	230V (50Hz) / 110-120V (60Hz)	230V (50Hz) / 110-120V (60Hz)	-	-
Power supply - AC + DC	●	●	●	-	-
SPECIAL FUNCTIONS	**iRED**	**iRED+**	**iRED·PRO**	**SENSE**	**DUAL SENSE**
Manual distance adjustment	●	-	●	-	-
Electronic distance adjustment	-	●	-	-	-
Self-adjusting installation	-	-	-	●	●
Maintenance switch-off	-	-	●	-	-
Self-cleaning function	-	-	●	-	-
Auto shut-off	1 min. (ajustable)	1 min. (ajustable)	1 min. (ajustable)	3 min. (ajustable)	3 min. (ajustable)
MAINTENANCE	**iRED**	**iRED+**	**iRED·PRO**	**SENSE**	**DUAL SENSE**
Removable filter	●	●	●	●	●
Low battery indicator	●	●	●	-	-
INTERFACE	**iRED**	**iRED+**	**iRED·PRO**	**SENSE**	**DUAL SENSE**
Infrared sensor	●	●	●	-	-
Capacitive sensor	-	-	-	●	●

*Measure at 3 bars

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www.sedalconnect.com

∞ sedal
THE FAUCET'S HEART

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