



Electronic controls

MYSON offers a full range of quality electronic controls to ensure that you get the most out of our heating products. Our controls are designed by our heating experts to perfectly complement our systems.

Controls are an essential part of every heating system. Today's controls should be easy to understand, operate and straightforward to install. Using the latest technologies, they should provide efficient, effective and precision control to meet the requirements of modern day, energy efficient homes.

MYSON's range of electronic controls provide many options, from mechanical dial thermostats to WiFi enabled touch controls utilising Smart Start technology, we have the solution for you.



UNISENZA DIAL

THERMOSTAT

UNISENZA dial thermostat is a wall mounted, temperature activated on/off switch.



UNISENZA DIAL


The desired temperature is set on the rotary control dial. The thermostat monitors and compares the actual room temperature with the set temperature on the control.


If the room temperature is below the desired level and the thermostat has requested heat, the central heating system will run the heating circuit until the temperature reaches the required level, the UNISENZA dial thermostat will switch off the heating circuit.


Product summary

- Silent operation
- Temperature range 5-30°C
- Surface mounted
- LED light displays system status (red=heating)
- Flat design with 30mm installation depth
- 230V

General specification

- 

GUARANTEE
5 year guarantee from date of purchase against manufacturing defects.
- 

IP RATING
IP20.
- 

DELIVERY
2 - 5 working days.

For more general information, please see page 266.



Description	Order Code	Minimum Order Qty
UNISENZA Dial Thermostat	UNIDIAL	1



UNISENZA DIGITAL

THERMOSTAT

UNISENZA digital thermostat is a wall mounted slimline electronic thermostat for users that require greater accuracy of temperature control.




UNISENZA DIGITAL


It has a clear, accurate LCD display and limits the maximum and minimum temperature, working as either a heating control or a cooling control. It is ideal for upgrading an old two-wire (no neutral wire) thermostat and has volt free contacts for use with various types of system.


Product summary

- Silent operation and LCD display
- Temperature range 5-30°C
- Click-mounting on recessed connection unit
- Ultra-flat design, only 17mm deep
- 230V

General specification

- 

GUARANTEE
5 year guarantee from date of purchase against manufacturing defects.
- 

IP RATING
IP20.
- 

DELIVERY
2 - 5 working days.

For more general information, please see page 266.



Description	Order Code	Minimum Order Qty
UNISENZA Digital Thermostat	UNIDIGITAL	1



This programmable WiFi thermostat enables easy set-up and control of the heating system on a smartphone or tablet via the UNISENZA app (no additional hub or gateway required). Smart Start function saves both energy and money by delaying the heating start up time when the weather is warmer.

Product summary

- Silent operation and LCD display
- Temperature range 5-30°C
- Click-mounting on recessed connection unit
- Simple coupling with WLAN router for APP control (no additional hub or gateway required)
- Presence control possible through geolocation
- Ultra-flat design, only 17mm deep
- Online software update capability (OTA)
- Free UNISENZA app for Android and iOS
- 230V

General specification

- GUARANTEE**
5 year guarantee from date of purchase against manufacturing defects.
- IP RATING**
IP20.
- DELIVERY**
2 - 5 working days.

For more general information, please see page 266.



Description	Order Code	Minimum Order Qty
UNISENZA WiFi Programmable Room Thermostat	UNIWiFi	1



It is used for monitoring and controlling the temperature of the hot water stored within the hot water cylinder. When used with a thermostatic control for the heating circuit it will give boiler interlock providing a safety feature. It can also be used as a pipe thermostat in conjunction with a frost thermostat to ensure a boiler does not run uncontrolled during cold weather.

Product summary

- Maximum mounting temperature 100°C
- Operating range 10 to 90°C
- Switching differential 5 to 10°C
- Large terminal screws, for easy connection

General specification

- GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
- IP RATING**
IP20.
- DELIVERY**
2 - 5 working days.

For more general information, please see page 266.



Description	Order Code	Minimum Order Qty
Cylinder Thermostat	MCT1	1
Cylinder Thermostat - Anti-Tamper	MCT1TP	1



MPRT

PROGRAMMABLE ROOM THERMOSTAT

MPRT is an easy-to-use programmable room thermostat.







MPRT

It utilises Smart Start technology which can give the user considerable savings on heating bills by varying start-up times. The Smart Start system is continually learning the temperature rise requirement, delaying the start-up of the system, therefore saving energy during milder weather. A radio frequency version is also available.

Product summary

- Uses Smart Start technology
- 24-hour or 7-day programming
- 3 temperature settings - comfort, economy (set back) and frost
- 4 programmes (3 pre-set, 1 adjustable) with manual override
- Clear, accurate LCD display
- Compatible with MYSON FLOORTEC underfloor heating systems and connects to a 24V hard wired wiring centre. One thermostat can control several loops

General specification

-  **GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
-  **IP RATING**
IP30.
-  **DELIVERY**
2 - 5 working days.
-  **BOILER PLUS COMPLIANT**

For more general information, please see page 266.



Description	Order Code	Minimum Order Qty
Programmable Room Thermostat	MPRT	1
Programmable Room Thermostat, Mains Supply	MPRTMS	1
Wireless Programmable Room Thermostat and Receiver	MPRTRF	1
RF Relay for use with the MPRTRF	RELAY433	1



TOUCH

PROGRAMMABLE ROOM THERMOSTAT

The MYSON TOUCH range of touch screen programmable thermostats allow you to set different room temperatures for the morning, day, evening and night time.



TOUCH




The Smart Start function will save both energy and money by delaying the heating start up time when the weather is warmer.

The range includes the MYSON TOUCH and MYSON TOUCH RS, which comes with a remote sensor. The TOUCH RS is primarily designed for underfloor systems which senses floor temperature.

Product summary

- Smart Start technology
- Clear, easy to use touch screen display
- 24-hour, 5/2 day or 7-day programming
- Up to 4 time and temperature settings per day
- 230V supply
- MYSON TOUCH is suitable to be classified as a “Delayed Start” thermostat as defined in SAP 2005
- MYSON TOUCH RS, primarily designed for underfloor systems, includes a remote sensor which senses either floor or room temperature or a combination of both
- Load Compensation technology (saves fuel by delaying heating ‘start-up’ on warm days)
- 2 zone programmable room thermostat

General specification

-  **GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
-  **IP RATING**
IP20.
-  **DELIVERY**
2 - 5 working days.

For more general information, please see page 266.



Description	Order Code	Minimum Order Qty
TOUCH Screen Programmable Room Thermostat	TOUCH	1
TOUCH Screen Programmable Room Thermostat with Remote Sensor	TOUCHRS	1



TOUCH2 WiFi

PROGRAMMABLE ROOM THERMOSTAT

TOUCH2 WiFi is the second-generation WiFi thermostat from MYSON and allows you to control your heating from anywhere in the world.







TOUCH2 WiFi

It is easy to set up and configure on your smart phone or tablet and is controlled using the TOUCH2 app. The Smart Start function will save both energy and money by delaying the heating start up time when the weather is warmer. The Geo Location feature will support multi-user smart phone to deactivate and reactivate when leaving and returning home.

- Compact size - 85mm x 85mm x 15mm and requires a minimum electrical box depth of 25mm
- Hub can control up to 32 thermostats
- 1 zone programmable room thermostat


General specification

-  **GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
-  **IP RATING**
IP20.
-  **DELIVERY**
2 - 5 working days.
-  **BOILER PLUS COMPLIANT**
When connected to TOUCH2 Hub.

For more general information, please see page 266.




Description	Order Code	Minimum Order Qty
TOUCH2 WiFi Touch Pad Programmable Room Thermostat for 'Smart Phone' Control & Control Hub	T2AHWIFI	1
TOUCH2 WiFi Touch Pad Programmable Room Thermostat for 'Smart Phone' Control	T2WIFI	1
TOUCH2 WiFi Hub Only	T2HUB	1
WiFi Air Sensor including Thimble Cover (2 metre cable)	TAIRSEN	1
WiFi Floor Sensor (3 metre cable)	TFLRSEN	1



TOUCH4

PROGRAMMER

The MYSON TOUCH4 is a 4-zone programmer, designed to work perfectly with our electric radiator ranges (FINESSE, RIO PLUS, DÉCOR & COLUMN).






TOUCH4

The TOUCH4 is unique with its precision touch screen interface and easy to use functions.

Product summary

- For use with our electric radiators only
- Up to 4 zones
- Each zone can be set to work in 5/2 or 7-day mode
- 4 switching times per day
- Holiday facility
- Boost facility
- Copy facility
- Mode select (Auto, Constant, Off)

General specification

-  **GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
-  **IP RATING**
IP20.
-  **DELIVERY**
2 - 5 working days.

For more general information, please see page 266.

Description	Order Code	Minimum Order Qty
Touch Screen 4 Zone Programmer	TOUCH4	1



UNISENZA PLUS

SMART CONTROLS

UNISENZA PLUS represents a wireless control solution that allows users to easily connect and control numerous heating and cooling devices at the touch of a button.

- Intuitive UNISENZA PLUS app enables centralised comfort control and energy efficiency
- Add additional gateways, eg. holiday homes, and control within the same app
- Connects via Wireless Local Area Network (WLAN) where no internet connection (no additional hub required)

If we want to create a better future for ourselves, the next generation and the planet, we have to be smart about it. Smart heating solutions such as UNISENZA PLUS wireless controls guide us towards an indoor climate that’s both comfortable and future-proof.

With only a few components such as the UNISENZA PLUS Gateway, Electronic Thermostatic Head (ETH), wired or wireless thermostat, and receiver, it’s very easy to make different combinations and configure an entire building through the UNISENZA PLUS app. This allows users to monitor and control all the heat transfer systems linked to the app wherever and whenever they want.

General specification

- GUARANTEE**
5 year guarantee from date of purchase against manufacturing defects.
- IP RATING**
IP20.
- DELIVERY**
2 - 5 working days.

For more general information, please see page 266.

UNISENZA PLUS Thermostat RF - 2 Channel*

- Wireless Zigbee 3.0 room thermostat that’s fast and easy to install
- 2 channels for controlling heating/cooling and domestic hot water time control
- Connect and control up to 6 ETH’s with the thermostat, can all be easily controlled via an intuitive app
- Pairing features with UNISENZA PLUS Receiver and Electronic Thermostatic Head
- Optional and flexible temperature management through presence detection

UNISENZA PLUS Gateway*

- Central link between devices and to the intuitive UNISENZA PLUS app
- Integration of the latest Zigbee 3.0 wireless technology
- Connects up to 100 end devices with the UNISENZA PLUS app
- Connectivity to smart home systems such as Alexa or Google Home
- Easy to adjust the temperature in individual rooms
- Create and manage one or more comfort zones
- Easy cloud connection – connects multiple devices to the cloud through an Internet router with a WiFi or Ethernet cable connection

UNISENZA PLUS Receiver RF*

- Efficient receiver for the wireless control of a boiler, pump or zone valves in a central heating system
- 2 channels for controlling heating/cooling and domestic hot water time control
- Connect and control up to 16 ETH’s with the receiver, can all be easily controlled via an intuitive app

- Pairing features with UNISENZA PLUS Thermostat and Electronic Thermostatic Head in the product platform to support multiple applications
- Built-in OpenTherm Controller function with an OT/+ interface auto detection that allows for compatibility with other OpenTherm devices

UNISENZA PLUS Electronic Thermostatic Head (ETH)


- Wireless ETH suitable for easy installation in new build and renovation
- Easy cloud-based control, via an intuitive app, turns it into a smart TRV
- Connectivity to smart home systems such as Alexa or Google Home
- In-app installation and diagnostics
- Standard 2x AA batteries – battery life > 2 years
- Geo location – optional and flexible temperature management through presence detection

UNISENZA PLUS Thermostat 230V


- 230V wired room thermostat for heating and/or cooling (24V available on request)
- Installation in standard flush-mounted box
- Ultra-slim design, only 25mm deep (visible protrusion on wall only 10mm)
- Can be used with or without UNISENZA PLUS Gateway
- Geolocation – optional and flexible temperature management through presence detection
- Floor sensor and discreet air sensor available

Description	Order Code	Minimum Order Qty
UNISENZA PLUS Programmable Thermostat RF - 2 Channel	UNIPLTHERMRF2	1
UNISENZA PLUS Receiver RF	UNIPLRECRF	1
UNISENZA PLUS Gateway	UNIPLGATEWAY	1
UNISENZA PLUS Electronic Thermostatic Head (ETH)	UNIPLETH	1
UNISENZA PLUS Thermostat 230V	UNIPLTHERM	1

*A standard single zone heating system will require 1 thermostat, 1 receiver and 1 gateway.



Our motorised valves are single, dual and triple channel programmers offering energy efficient control of your heating system.






MEP1c is a single channel programmer for use with combi boilers, as a domestic hot water control or with electric radiators when using a programmable thermostat for the central heating circuit.

MEP2c is a dual channel programmer for use with a central heating system and a domestic hot water control.

MEP3c is a three-channel programmer, designed for installations where there is a need for two heating zones and a hot water circuit.

MEPTWOZONE is a dual channel programmer for use within a central heating system to control two heating zones

General specification

-  **GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
-  **IP RATING**
IP20.
-  **DELIVERY**
2 - 5 working days.

For more general information, please see page 266.

Product summary

- Easy to use
- Can be set for 24-hour, 5/2 day or 7-day operation
- Easy to read, backlit screen
- Pre-set clock
- Automatic summer/winter time change
- Memory saver - programmer and clock will not require resetting in the event of power loss
- Advanced and extend features for even more control



Description	Order Code	Minimum Order Qty
1 Channel Programmer	MEP1C	1
2 Channel Programmer - 1 x Hot Water & 1 x Central Heating	MEP2C	1
3 Channel Programmer - 1 x Hot Water & 2 x Central Heating	MEP3C	1
2 Channel Programmer - 2 x Central Heating	MEPTWOZONE	1



MYSON produce a range of control packs, with all the system controls you need in one handy box. They are designed to help installers and specifiers and come with easy-to-follow wiring instructions.





The attractive control packs are designed to give you exactly the right combination of controls to make your central heating system work more efficiently. All the products in each system pack have been developed to be attractive yet unobtrusive and each will complement your home. Correctly installed, the MYSON control system will allow you more effective and economical control of your heating and hot water.

The packs suit all standard types of heating systems and will meet most requirements, from fully pumped flow share and zoned systems to unvented hot water storage systems.

For individual control pack contents, refer to the table below.

General specification

-  **GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
-  **DELIVERY**
2 - 5 working days.

For more general information, please see page 266.

Description	MWB16	MCT1TP	MCT1	UNIDIAL	MPE222	MPE228	MPE322	MEP2C	MEP3C	MEPTWOZONE	Order Code	Minimum Order Qty
MYSON Control pack 1	x1		x1	x1			x1	x1			MCPACK1	1
MYSON Control pack 2	x1		x1	x1	x2			x1			MCPACK2	1
MYSON Control pack 3	x1		x1	x1	x1	x1		x1			MCPACK3	1
MYSON Control pack 4	x1			x1	x1			x1			MCPACK4	1
MYSON Control pack 5	x1			x1		x1		x1			MCPACK5	1
MYSON Control pack 6	x1			x2	x2				x1		MCPACK6	1
MYSON Control pack 9	x1			x2	x2					x1	MCPACK9	1
MYSON Control pack 11	x1		x1	x2	x3				x1		MCPACK11	1
MYSON Control pack 12	x1	x1		x2	x3				x1		MCPACK12	1
MYSON Control pack 14	x1	x1		x1	x2			x1			MCPACK14	1

Please note: Product styles in the Control Packs may change, however, the function will still be the same.



MOTORISED VALVES & ACCESSORIES

Motorised valves control the flow of water between heating and hot water zones in domestic fully pumped central heating systems.



The MYSON range of motorised valves has been designed with complete reliability and compatibility in mind. Our motorised valves are compatible as replacements to all leading makes, so you don't need to look anywhere else.

The range has low contact resistance switching for compatibility with the low voltage/low current switching found on many boilers throughout the UK and Europe.

Product summary

- Powerful motor with high grade (Class F) insulation
- Neon valve position indicators
- Gold plated microswitch contacts
- Mica filled PTFE shoes
- Manual override with spring return
- Compatible as replacement to all leading makes
- ISO 9002 Quality Assurance
- Two port valves to control either central heating or hot water circuit
- Three port mid position valves control central heating and hot water circuits simultaneously

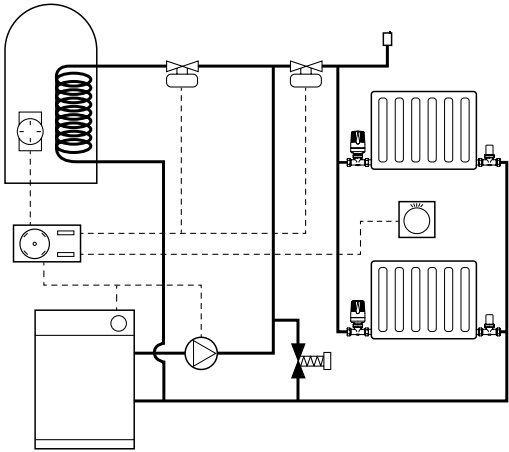
General specification

- GUARANTEE**
2 year guarantee from date of purchase against manufacturing defects.
- DELIVERY**
2 - 5 working days.

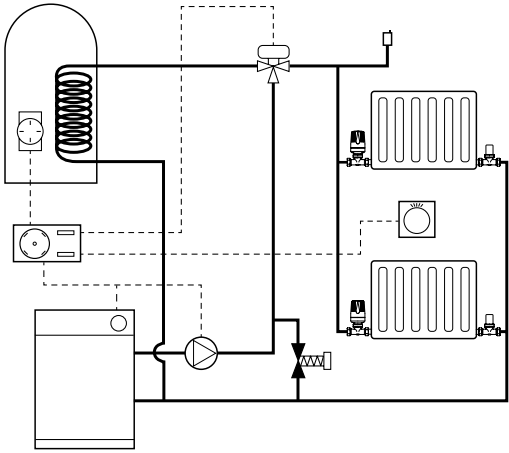
For more general information, please see page 266.



2 port valve system diagram



3 port valve system diagram



Motorised valves

Description	Order Code	Minimum Order Qty
Two Port Motorised Zone Valve 1" Imperial Olive Compression - Republic of Ireland only	MPE21	1
Two Port Motorised Zone Valve - 22mm	MPE222	1
Two Port Motorised Zone Valve - 28mm	MPE228	1
Two Port Motorised Zone Valve ¾" Imperial Olive Compression - Republic of Ireland only	MPE23/4	1
Three Port Motorised Divertor Valve - 22mm	MPE322DV	1
Three Port Motorised Zone Valve ¾" Imperial Olive Compression - Republic of Ireland only	MPE33/4DV	1
Three Port Motorised Zone Mid Position Valve 1" Imperial Olive Compression - Republic of Ireland only	MPE31	1
Three Port Motorised Mid Position Valve - 22mm	MPE322	1
Three Port Motorised Mid Position Valve - 28mm	MPE328	1
Three Port Motorised Zone Mid Position Valve ¾" Imperial Olive Compression - Republic of Ireland only	MPE33/4	1

Motorised valve accessories

Two Port Actuator Head Only (For MPE222, MPE23/4)	ACT222	1
Two Port Actuator Head Only (For MPE228, MPE21)	ACT228	1
Three Port Actuator Head (For MPE322, MPE328, MPE33/4, MPE31)	ACT322	1

GENERAL INFORMATION

UKCA & CE MARKING

All MYSON products have been assessed against UK and EU Directives, Regulations and standards and carry the CE mark and the UKCA mark where applicable.

PACKAGING

All MYSON products are packed in robust packaging specially designed to ensure that the product reaches you in perfect condition.

INHIBITORS

All products installed onto indirect hydronic systems must be cleaned and protected (includes the use of an inhibitor) in accordance with the Domestic Building Services Compliance Guide and to the British Standard Code of Practice for Water Treatment. Failure to meet the regulations under BS7593 compliance will invalidate the product warranty.

SAFETY PRECAUTIONS

Radiators are hot when in use, and as such, present a risk of burns to users on prolonged contact. The temperature of a radiator is dependent on the temperature of the system water, as set by the system installer or user. Installers and users should ensure that those who may come into close proximity to hot radiators are aware of the risk of burns. Installers and users should take all necessary steps to minimise the risks of burns.

If the risk is significant, consideration should be given to installing low surface temperature radiators, or to placing guards in front of the radiators.

FIXINGS

For the correct installation of radiators it is essential that the fixing of the radiator is carried out in such a way that it is suitable for intended use AND predictable misuse. A number of elements need to be taken into consideration including the fixing method used to secure the radiator to the wall, the type and condition of the wall itself, and any

additional potential forces or weights that may happen to be applied to the radiator, prior to finalising installation. IN ALL CASES IT IS STRONGLY RECOMMENDED THAT A SUITABLY QUALIFIED PROFESSIONAL INSTALLER OR SIMILAR TRADESPERSON CARRIES OUT THE INSTALLATION.

PLEASE NOTE: The fixing materials provided are only intended for installation on walls made of solid wood, bricks, concrete or on timber-frame stud walls where the fixing is into the timber. All walls being considered should have no more than a maximum of 3mm wall finishing. For walls made of other materials, for example hollow bricks, please consult your installer and/or specialist supplier. ONCE AGAIN, IF YOU ARE UNSURE, IT IS STRONGLY RECOMMENDED THAT A SUITABLY QUALIFIED PROFESSIONAL INSTALLER OR SIMILAR TRADESPERSON CARRIES OUT THE INSTALLATION.

APPLICATION

Most MYSON products are for use on 2 pipe pumped indirect domestic and commercial central heating installations, with a maximum working temperature of 100°C. The system should be designed in accordance with BS EN 12828:2003 or BS EN 12831:2003 as appropriate, with particular care taken to avoid air entry or water discharge.

We do not recommend the use of single feed indirect cylinders, as the possibility of aeration due to water interchange may lead to corrosion. The installation work must be carried out in accordance with recognised good practice, and precautions taken to avoid contamination which could lead to corrosion. If a corrosion inhibitor or other water treatment is to be used, the Manufacturer's Instructions must be strictly followed.

The recommendations of BS 7593, Code of Practice for treatment of water in domestic hot water central heating systems, should be followed where appropriate.

When fitting any heat emitter in an extremely high humidity environment (for example a swimming pool area or sports changing facility) products manufactured from steel should be avoided.




CERTIFICATION FOR NPD PRODUCTS

Products highlighted 'No Performance Declared' (NPD) have heat outputs below the measureable limits of EN 442 test methods and calculated outputs are therefore shown.



DEZINCIFICATION

In certain areas, the local water can gradually remove zinc from brass alloys. This process is called dezincification and, on rare occasions and over time, can affect the integrity of a brass product.

All MYSON brass products are manufactured using dezincification resistant brass. This, however, does not entirely eliminate the possibility of dezincification occurring. These products can be used on any hot water central heating system and are identified within the brochure using the  symbol. MYSON insist that you ask your heating engineer/installer if this problem applies to your area, as MYSON can not be held responsible for any resulting damage.



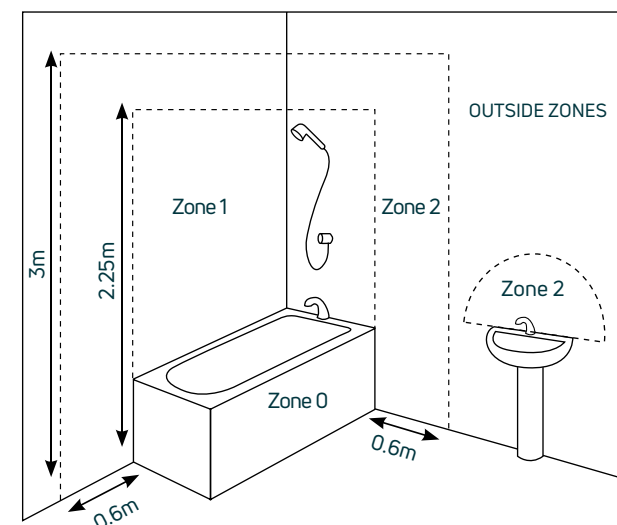
ELECTRICAL INSTALLATION

All electrical models must be hard wired and installed in the correct orientation by a qualified electrician, in accordance with the IEE wiring regulations BS 7671.



IP RATINGS

IP ratings are shown for all electrical products. This must be considered when installing in a location containing a bath or shower, as defined by BS 7671.



Suitable Zones.



WASTE DISPOSAL ACCORDING TO THE WEEE DIRECTIVE (2012/19/EU)



Waste disposal according to the WEEE Directive (2012/19/EU). The symbol on the product label indicates that the product may not be handled as domestic waste, but must be sorted separately.

When it reaches the end of its useful life, it shall be returned to a collection facility for electrical and electronic products.

By returning the product, you will help to prevent possible negative effects on the environment and health to which the product can contribute if it is disposed of as ordinary domestic waste. For information about recycling and collection facilities, you should contact your local authority/municipality or refuse collection service or the business from which you purchased the product. Applicable to countries where this Directive has been adopted.



DUAL FUEL

This allows a hydronic product to be used if the central heating system is not active. The pipe centres featured in this brochure are based on hydronic products. When adding heater kits to multi-rails, a T-piece and element will be required that alters the pipe centre dimensions (see diagram). The difference in pipe centres featured are based on using MYSON valves. These differences may vary on other manufacturers' valves. For the most efficient operation, one valve should be open and one valve should be closed. Avoid closing both valves.



AUTO POWER MANAGEMENT SYSTEM (APM®)

APM® represents the most advanced element technology available. It is an economical, self-regulating element. When it reaches the required temperature, it reduces power consumption accordingly. There is no need for a thermostat. The required temperature is achieved smoothly and stays constant. APM® is now fitted to all PTC and MHK heating elements and most MYSON electric units where stated.



Dual fuel heater kits pipe centre adjustment.

Certificates & accreditations

