IC07-006

DELABIE | DVS

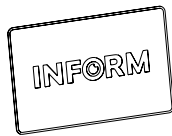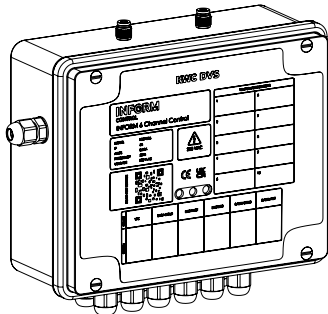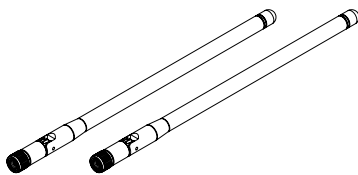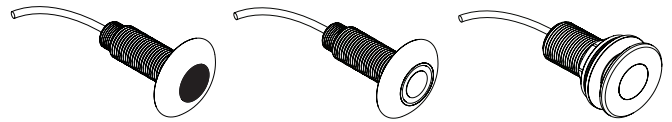## Parts Supplied:

INFORM 6 Channel Control Box

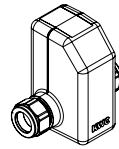
INFORM Subscription Card

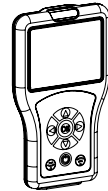Antennas (Pair)

Mandatory Parts (Supplied Separately):

12V Sensor   or   Tactile Button   or   CMVL8 Sensor

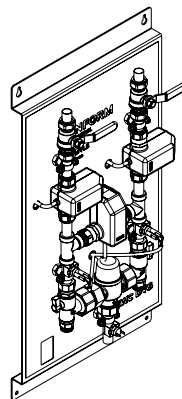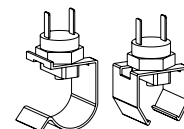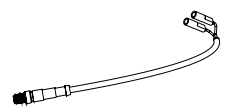
12V Anti-Microbial Solenoid Valve

Hand Held Programmer

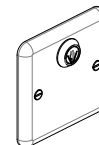## Supplementary Parts (Supplied Separately):
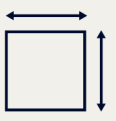

CMVL8

Thermistor Clips

Thermistor Cables *varied lengths

Key Switch

WC Flush Valve

Dimensions (mm)

193

21

162

5

21

202

82
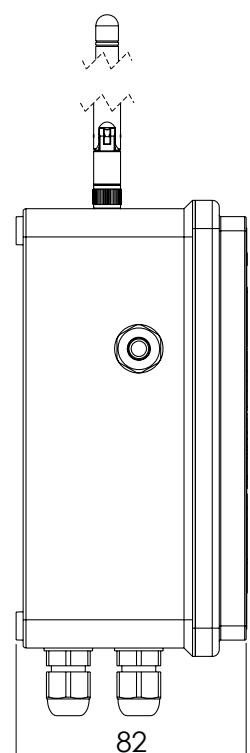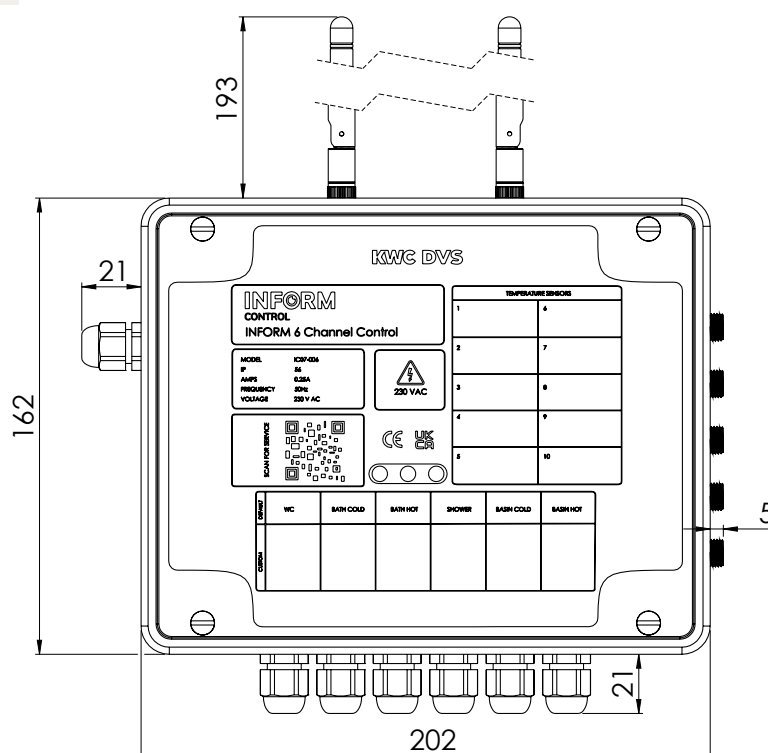
These instructions relate to the use of the INFORM 6 Channel Control Box only, any additional KWC parts will be supplied with separate instructions.

The electrical part of the installation MUST be carried out by a qualified electrician in accordance with the latest electrical regulations. It is also recommended that any plumbing is carried out by a qualified plumber.

For proper performance, this sophisticated electronic device must be installed correctly.

IMPORTANT: Please read these instructions carefully and follow each stage in order.

SERVICING, INSTALLATION & WARRANTY:
KWC DVS products installed or commissioned by our engineers receive a five-year on-site warranty. Utilizing a KWC DVS service option for most products will extend the warranty period.

SUPPORT: For Technical Support please visit our technical pages on www.dartvalley.co.uk

Or

CONTACT US:

KWC DVS Ltd
Northern Office: +44 (0)1246 458900
Southern Office: +44 (0)1803 529021

scan
for
support

The INFORM team must be contacted prior to the IC07-006 being powered up to confirm all information required to register the INFORM 6-channel control box on the INFORM dashboard has been provided.
Failure to do so may incur additional costs. If you are unsure if this information has been passed over, please contact dvsinform.gb@kwc-professional.com to confirm.

INFORM Enabled Safe Ensuite Basin Example Schematic
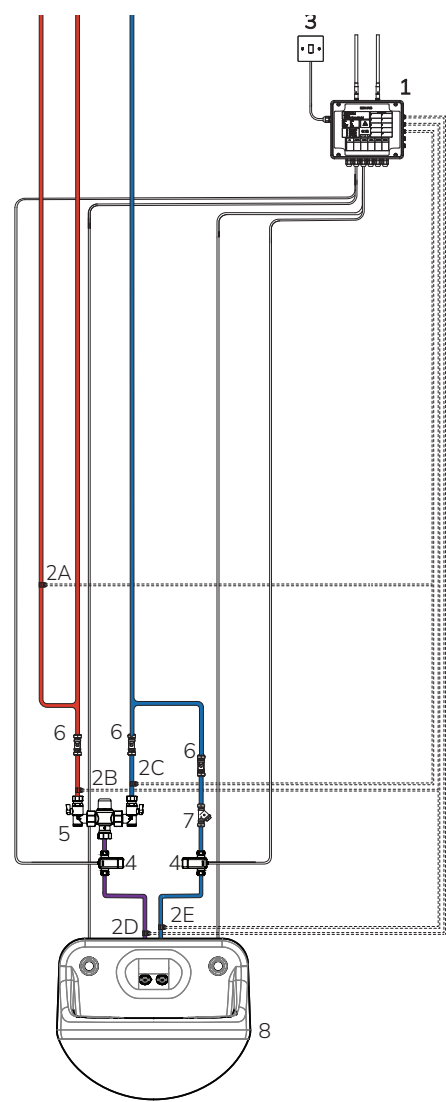
Thermistors	
Item	**Description**
2A	WHB Hot Return
2B	WHB Hot Supply to TMV
2C	WHB Cold Supply to TMV
2D	WHB Mixed Supply from TMV
2E	WHB Cold Supply

·············· Thermistor Cable

━━━━━ Sensor/Solenoid Cable

Item	Code	Description
1	IC07-006	INFORM 6 Channel Control Box
2	By request	INFORM Temperature Thermistors
3	*	3 Amp Fused Spur
4	AC17-101	12V Anti-Microbial Solenoid Valve
5	AC17-047	Thermostatic Mixing Valve (TMV3)
6	AC17-038	Isolation Valve - 15mm
7	AC03-019	Y Strainer - 15mm
8	VR01-030	High Security Basin - Integrated Backplate

For alternative example schematics please see Appendix: Alternative Schematics.

1. Installation
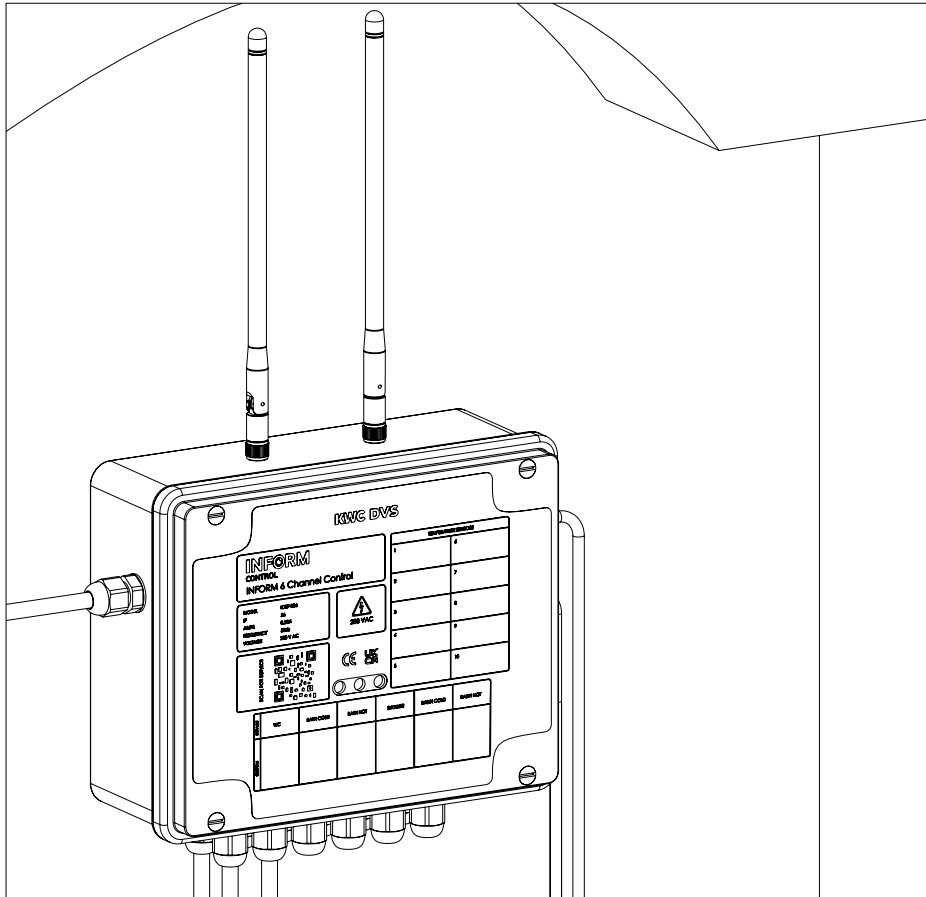
Above Illustration for visual representation only.

Vertical antenna positioning recommended when installed.

Control box should not be installed adjacent to mains supply.

Safety

- CAUTION! 220-240V A.C.
- NEVER open the cover with the supply live.
- DO take care not to disturb ribbon cable when opening enclosure.
- DO NOT extend cables.
- DO NOT leave badly fitted cables.
- DO NOT leave slack cables in the enclosure.
- DO NOT interfere with the mains flex.
- DO check all cables and connections.
- DO ask for advice if/when necessary. **Via email - dvstechsupport@kwc-professional.com**

The Control System Box (see front of box for IP rating) should be located in a dry location and not exposed to dirt, dust or damp.

The unit should be installed in an accessible location, for example a service cupboard or secure duct, away from unauthorized access.

Ensure IR Port remains accessible for adjustment of settings and maintenance. (See **page 8** for IR port location).

The control unit is not designed for direct surface mounting into washroom areas.

Never open the cover with the supply live. The routes that cables will take when connecting external equipment to the control unit should also be planned at this stage.

The mains supply should NOT be initiated until all external equipment has been installed and wired. Connect the mains supply lead to a 230V AC supply via a fused spur, the fuse rating should be 3 Amps. (Not supplied).

The unit should be securely fixed in a suitable location in a horizontal orientation with the glands pointing down, so that the front label can be read correctly.

The Antennas must be pointed vertically to enable best signal strength.

Device must be installed so that antenna are not obstructed and are clear from any shielding.

A clearance perimeter of 150mm around the control box is recommended.

Open lid to expose four fixing holes around the edge of the enclosure. These holes allow the fastening of the unit without removing the printed circuit board. Mark the wall through these fixing holes and fix the control unit with suitable fixings.

Always read instructions supplied with components and ensure that only KWC DVS supplied equipment is connected to the control box.

Valve cables should enter the enclosure from the front row of cable glands. The sensor cables should enter the enclosure through the back row of cable glands. It is recommended to connect sensor cables prior to valve cables for ease of installation and neatness. Cables should not be left too taut when secured by the cable gland.

Tidy and Organized:
Cables should be neatly routed and secured, avoiding tangles or excessive wire crossing. Use cable ties or other suitable methods to group and secure wires where appropriate.

No Stress or Strain:
Ensure that no cables are under tension or stress, especially where they connect to terminals or components. Leave a small amount of slack to prevent strain on connections due to vibration, temperature changes, or accidental tugging.

Minimise Excess Cable:
While some slack is beneficial, excessive lengths of cable coiled or bundled inside the control box should be avoided. Long, unused lengths can impede airflow, make future troubleshooting difficult, and increase electromagnetic interference. Trim cables to the appropriate length before termination.
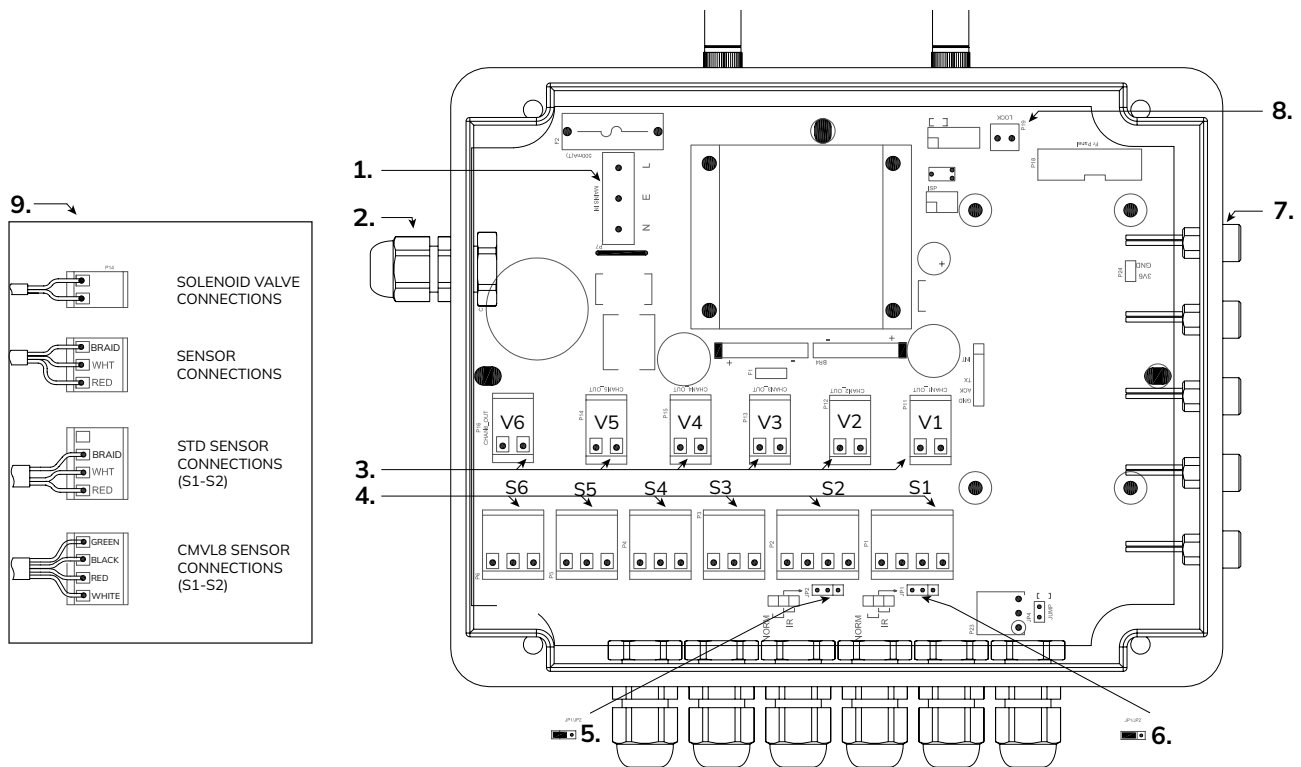
Plug Connections:
Ensure the plugs are disconnected from the mating socket before connecting wires.
When wiring in a sensor, ensure that the cables are connected correctly as per the label on the plug.
Note: Valve plugs have no polarity and therefore can be connected in any orientation.

When all connections are made and checked, replace the lid and secure.

2. Control Box Overview

Key

1. Mains In
2. Mains In Gland
3. Valve Connections V1-V6.
4. Sensor Connections 1-6 **(Ensure wiring colours match labels on plug as per point 9 above).**
5. Sensor 2 Jumper. **(Do not move, only for use with CMVL8).**
6. Sensor 1 Jumper. **(Do not move, only for use with CMVL8).**
7. Thermistor Connections.
8. Key Switch Connection.
9. Valve / Sensor Connection Illustrations.

Recommended - Valve Cable Entry (front row glands) and Sensor Cable Entry (back row glands).

Safety

- CAUTION! 220-240V A.C.
- NEVER open the cover with the supply live.
- DO take care not to disturb ribbon cable when opening enclosure.
- DO NOT extend cables.
- DO NOT leave badly fitted cables.
- DO NOT leave slack cables in the enclosure.
- DO NOT interfere with the mains flex.
- DO check all cables and connections.
- DO ask for advice if/when necessary. **Via email - dvstechsupport@kwc-professional.com**

Default Channel Settings;

1. BASIN HOT
2. BASIN COLD
3. SHOWER
4. BATH HOT
5. BATH COLD
6. WC

Channels 1-6 can be reprogrammed to any product that uses a solenoid valve to control the water supply.
(When using Flushvalve, ONLY connect to channel 6)

The channel naming area on the front of the control box should be labelled to keep track of thermistor cables, product locations, and any custom configurations.

Jumper Configurations.

- Default configuration is for use with standard 6 channel set up.
- Jumper Position can be changed to enable use with CMVL8.

DEFAULT JUMPER POSITIONS

CMVL8 JUMPER POSITIONS
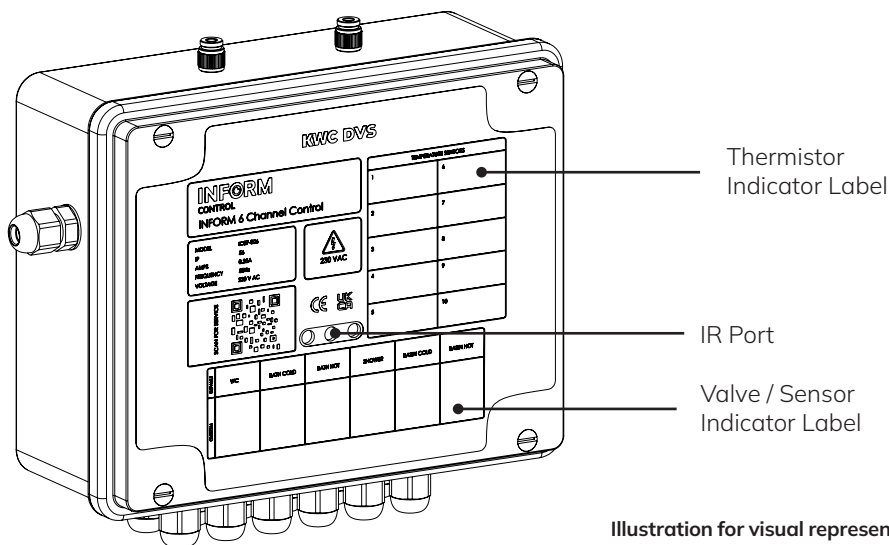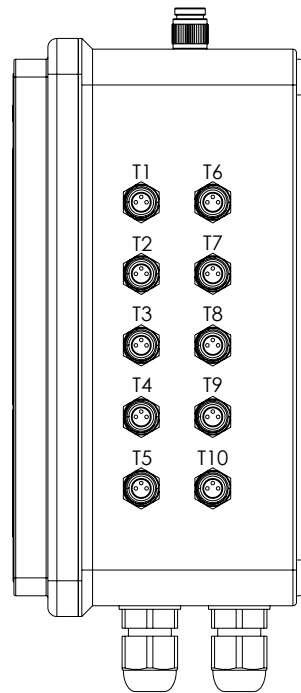
Thermistor Connections

Thermistor Indicator Label

IR Port

Valve / Sensor Indicator Label

Illustration for visual representation only.

Vertical antenna positioning recommended when installed.

- When connecting to mains always make sure that the lid is tightly closed and secure.
- After all external equipment is installed, the mains supply can be switched on.
- NEVER open the cover with the supply live.
- When the control unit is first powered on, allow 5-10 minutes for the control box to initialize and complete verification period.
- Upon powering the control box on, the LED within the IR port should flash continuously until it has made a successful network connection. Upon making a network connection, the LED will remain solid.
- If the LED instantly goes solid without flashing, please use the handheld programmer to check the device type and make sure it is set to 6CH+Temp or 6CT depending on the firmware for the handheld programmer.

3. Program Menu's

|	DEFAULT SETTINGS	OPTIONAL SETTINGS
WAVE FLUSH VALVE MENU		
Flush type	Single	Single or dual
Flush time(s)	4 seconds	2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5 seconds
Range	2	1-3
Automatic purge	OFF	OFF, 3, 6, 12, 24, 36, 48, 72 hours
Purge run time	4 seconds	2, 3, 3,5, 4, 4.5, 5, 5.5, 6, 6.5 seconds
Lock outs	OFF	OFF, 2 - 10 Ops
TAP MENU		
Run time	2 seconds	2, 5, 10, 15, 20, 30 seconds
Sensor range	5	1-10
Wave on/off operation	OFF	ON/OFF
Anti-vandal time	1 minute	30 seconds, 1, 2, 4, 8 minutes
Automatic purge	OFF	OFF, 3, 6, 12, 24, 36, 38 hours
Purge run time	1 minute	30 seconds, 1, 2, 4, 8 minutes
Lock outs	OFF	OFF, 4, 6, 8, 10, Ops
SHOWER MENU		
Run time	1 minute	30 seconds, 1, 2, 3, 4, 5 minutes
Sensor range	2	1-3
Wave on/off operation	OFF	ON/OFF
Anti-vandal time	Run + 10s	Run + 10s
Automatic purge	OFF	OFF, 3, 6, 12, 24, 36, 38 hours
Purge run time	1 minute	30 seconds, 1, 2, 4, 8 minutes
Lock outs	OFF	OFF, 4
BATH MENU		
Run time	2 minutes	1, 2, 3, 4, 8, 10 minutes
Sensor range	2	1-3
Wave on/off operation	OFF	ON/OFF
Anti-vandal time	Run + 10s	Run + 10s
Automatic purge	OFF	OFF, 6, 12, 24, 36, 48, 72 hours
Purge run time	1 minute	30 seconds, 1, 2, 4, 8 minutes
Lock outs	OFF	OFF, 2, 4, 6, 8 Ops

*program menu's for example only, please refer to hand held programmer instructions.

To adjust settings...

1. Program the INFORM 6 Channel Control Box; (Channel by channel, adjust the settings).
2. Hold the Programmer up to the IR Port on the control box (see image to the right).
3. Press and hold the 'Read Button' to load the control box's current settings. **(Green tick will be displayed when read is complete).**
4. Choose your required settings from the displayed menu's.
5. Once settings are selected, press and hold the 'Send Button' this will program the control box with your selected settings. **(Green tick will be displayed when complete).**
6. The control box LED will start a flashing sequence before turning solid. If the LED does not undergo a flashing sequence or the flashing sequence begins without a green tick being displayed on the programmer, this step will need to be repeated.

Read Button Send Button
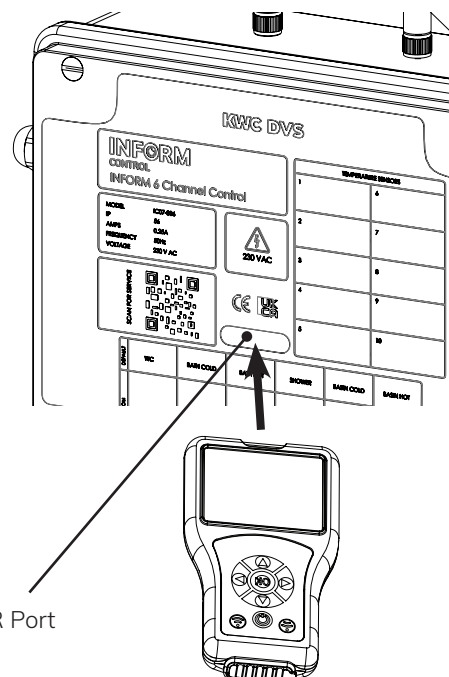
*For full Hand Held Programmer instructions, please refer to the AC01-001 operating instructions, available on www.dartvalley.co.uk or via our sales team.

IR Port

4. Key Switch

The optional key switch is used manually to disable the control box when required.

When key switch is ON, all outlets will be closed and disabled. All current operation is cancelled, all lockouts are cleared and purging is reset.

The cancel feature is only available during 'normal' use, not during any other program routine.

Normal operation is resumed by turning the key switch off.

Connect the blue and brown lead from the key switch to the correct position on the connector plug as illustrated in the diagram.

For board annotation descriptions, please refer to **page 7**.

Control Box Inside

To Control Box ->

AC04-016
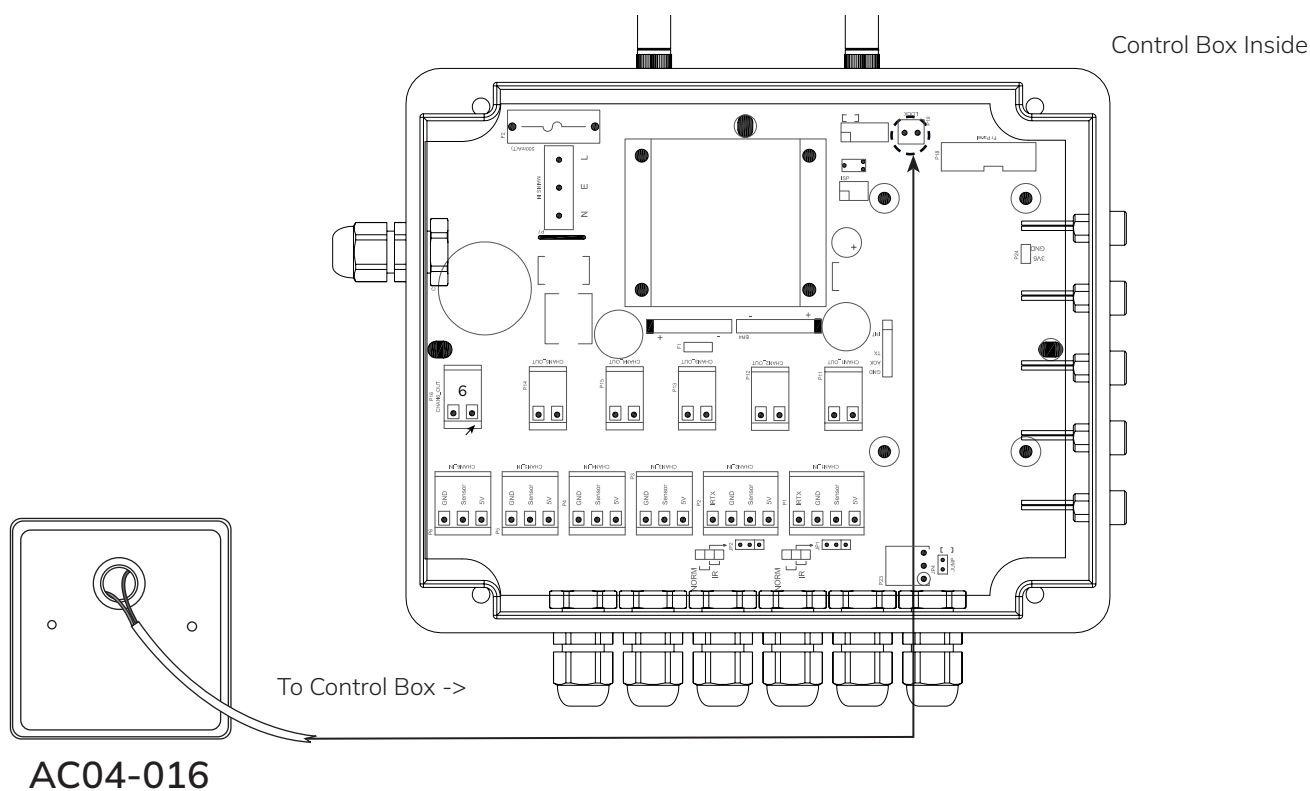
5. Product disposal

The use of this crossed out wheeled bin logo indicates that this product needs to be disposed of separately to any other household waste.

Within each of the European Union member countries, provisions have been made for the collection and recycling of unwanted electrical and electronic equipment. Outside of the EU it will be necessary to dispose of this product at your local community waste collection or recycling centre.

In order to help preserve our environment we ask that you dispose of this product correctly.
Please contact your local city council for collection centre details and always check UK electronic waste disposal regulations before disposing of this product.

Appendix: Alternative Schematics Pg1 - INFORM Enabled Basin with Single Outlet Example

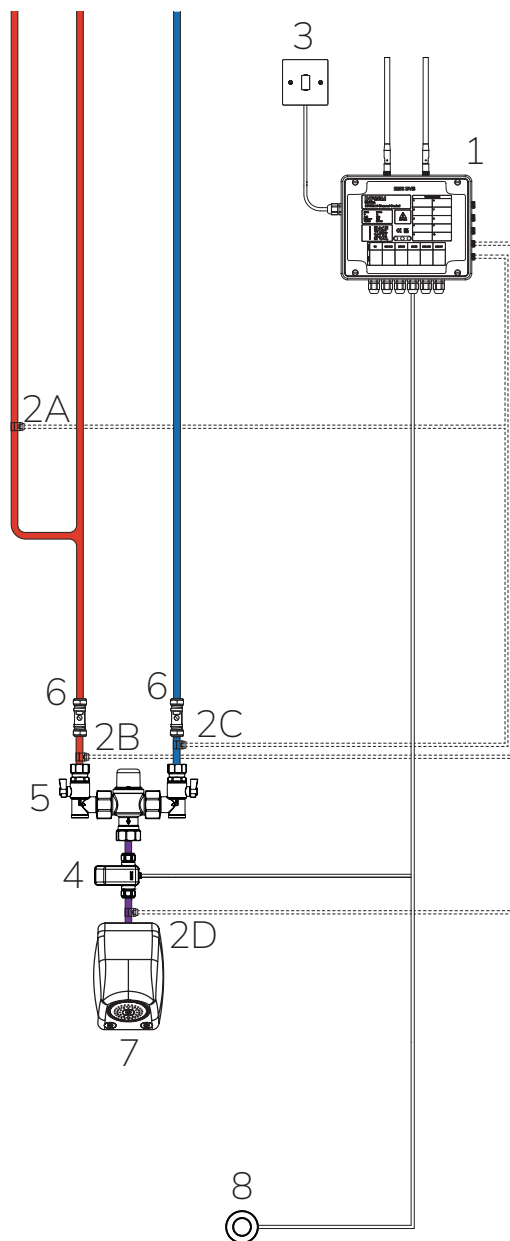| Thermistors	
Item	**Description**
2A	Spout Hot Return
2B	Spout Hot Supply to TMV
2C	Spout Cold Supply to TMV
2D	Spout Mixed Supply from TMV

▭▭▭▭ Thermistor Cable

━━━━ Sensor/Solenoid Cable

Item	Code	Description
1	IC07-006	INFORM 6 Channel Control Box
2	By request	INFORM Temperature Thermistors
3	*	3 Amp Fused Spur
4	AC17-101	12V Anti-Microbial Solenoid Valve
5	AC17-047	Thermostatic Mixing Valve (TMV3)
6	AC17-038	Isolation Valve - 15mm
7	AT07-101	Medi-10 Spout
8	AC02-043 / AC02-049	Wave-on Sensor / Tactile Switch - Blue Inserts - 15m Cable
9	VR01-081	Safe Ensuite Low Profile Basin
*	AC04-016	Water Control Key Switch - 8m Cable (Optional for Manual Isolation)

Thermistors	
Item	**Description**
2A	Shower Hot Return
2B	Shower Hot Supply to TMV
2C	Shower Cold Supply to TMV
2D	Shower Mixed Supply from TMV

·········· Thermistor Cable

═══════ Sensor/Solenoid Cable

Item	Code	Description
1	IC07-006	INFORM 6 Channel Control Box
2	By request	INFORM Temperature Thermistors
3	*	3 Amp Fused Spur
4	AC17-101	12V Anti-Microbial Solenoid Valve
5	AC17-047	Thermostatic Mixing Valve (TMV3)
6	AC17-038	Isolation Valve - 15mm
7	SH07-095	Anti-Microbial Showerhead - Sloped
8	SH00-003 / AC02-050	Wave-on Shower Sensor / Tactile Switch - Red Insert - 15m Cable
*	AC04-016	Water Control Key Switch - 8m Cable (Optional for Manual Isolation)

Thermistors	
Item	Description
2A	Shower Hot Return
2B	Shower Hot Supply to TMV
2C	Shower Cold Supply to TMV
2D	Shower Mixed Supply from TMV
2E	Basin Hot Return
2F	Basin Hot Supply to TMV
2G	Basin Cold Supply to TMV
2H	Basin Mixed Supply from TMV
2I	Basin Cold Supply at Outlet
2J	WC Cold Supply to Cistern

┄┄┄┄┄┄ Thermistor Cable

———— Sensor/Solenoid Cable

| Item	Code	Description	Item	Code	Description
1	IC07-006	INFORM 6 Channel Control Box	8	SH07-095	Anti-Microbial Showerhead - Sloped
2	By request	INFORM Temperature Thermistors	9	SH00-003 / AC02-050	Wave-on Shower Sensor / Tactile Switch - Red Insert - 15m Cable
3	*	3 Amp Fused Spur	10	VR01-030	High Security Basin - Integrated Backplate
4	AC17-101	12V Anti-Microbial Solenoid Valve	11	WC02-013	Concealed Plastic Cistern Kit - Vertical - 1 ½"
5	AC17-047	Thermostatic Mixing Valve (TMV3)	12	WC01-022	Flushvalve - In Built Overflow - 1 ½"
6	AC17-038	Isolation Valve - 15mm	13	AC02-043 / AC02-049	Wave-on WC Sensor / Tactile Switch - Blue Inserts - 15m Cable
7	AC03-019	Y Strainer - 15mm	14	VR01-010	High Security WC
			*	AC04-016	Water Control Key Switch - 8m Cable (Optional for Manual Isolation)

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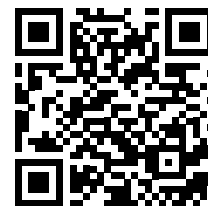
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