

MEP 1c SINGLE CHANNEL PROGRAMMER.

Installation Instruction

1.0: Precautions Against Electric Shock Hazard.



Installation and maintenance must be carried out only by suitably qualified personnel & in accordance with IEE wiring regulations. This equipment must not be mounted to unearthed metal or metalised surfaces. Use a fuse rated at 3 amps to protect the system installation. Disconnect mains supply before removing the equipment from its wiring plate, as terminals may be live.

Fixed wiring installation must be used. A class 'A' switch (having contact separation of 3mm minimum in all poles), must be incorporated in the fixed wiring as a means of supply disconnection.

Do not operate this equipment outside of its rated parameters, (current, voltage etc.). For example: do not wire directly to an immersion heater.

2.0: MEP 1c Technical Specification:

Function: Time control of domestic heating
 Power Supply: 230Vac, 50Hz.
 Switch Type: SPDT Relay, Type 1C
 Switch Rating: 3 (3) amps
 Switch Circuit Input: Volt free contact

Ambient Operating Temperature: 4 to 45 degC
 Storage Temperature: -20 to 55 degC
 Battery Backup: Retains settings for 1 year
 Housing Material: Fire Retardant ABS

Pollution Situation: Normal
 Software Class: A.
 Enclosure Protection: IP20
 Enclosure Insulation: Class II.



3.0: Regulatory Compliance.

This product conforms to the essential requirements of EU Directives: 89/336/EEC, 92/31/EEC: Electromechanical Compatability 73/23/EEC, 93/68/EEC: Low Voltage.



4.0: Wiring to Replace an Existing Programmer:

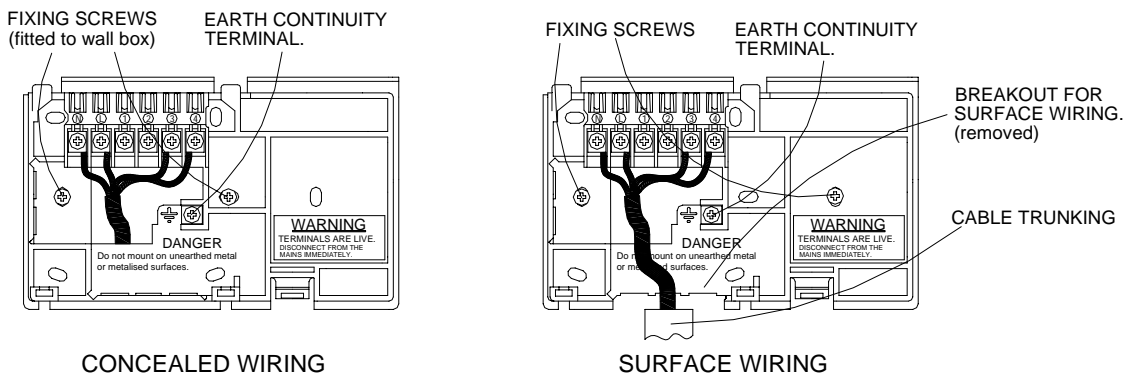
The MEP1c can be used to replace many existing programmers from other manufacturers. Refer to Table 1 and Table 2 below.

Use existing backplate but rewire as indicated below. Identify and mark wires before removing them from their existing terminals.		Myson MEP 1c						
Manufacturer	Model	E	N	L	1 Spare	2 Off	3 Com.	4 On
Myson	zMEP1c		N	L	4	2	1	3
Acl-Drayton	LS111		N	L	4	2	1	3
	LS711		N	L	4	2	1	3
Danfoss-Randall	TS15		N	L	5,6	2	1	4
	TS75		N	L	5,6	2	1	4
Horstmann	CentaurPlus C11	E	N	L	1	3	2	4
	CentaurPlus C17	E	N	L	1	3	2	4
Landis & Gyr	RWB100		N	L	1	3	2	4
	RWB152		N	L	1	3	2	4
	RWB170		N	L	1	3	2	4
	RWB3		N	L	1	3	2	4
	RWB30		N	L	1	3	2	4
	RWB50		N	L	1	3	2	4
	RWB7		N	L	1	3	2	4

TABLE 1: WIRING USING THE EXISTING BACKPLATE (SEE ALSO TABLE 2)

5.0: Mounting the MEP 1c Wiring Plate:

The wiring plate may be mounted either directly to the wall or to a single gang flush conduit box complying with BS1363 or BS4662. Allow clearance around the wiring plate as advised in figure 1. Fixing slots are provided in a number of locations on the wiring plate. Ensure that the mounting location allows easy access for adults but is out of the reach of children. The unit is for use in normal domestic environments only, and must not be installed in any location open to extremes of moisture, temperature, dust or other adverse conditions. Under no circumstances should the wiring plate be mounted to unearthed metal or metalised surfaces.



Minimum Clearance Disrances: Above and below wiring plate: 50mm. Left and right of wiring plate: 25mm

Figure 1: Myson Wiring Plate

6.0: Wiring the MEP 1c Wiring Plate:

Concealed wiring is brought in through the rear of the wiring plate, (fig. 1). Surface wiring is brought in either from the left hand side or from the bottom where break-outs are provided on the edges of the plate to allow access for cables. The break-outs may be broken clear with pliers, (fig 1). Surface cables must be routed in cable trunking.

The MEP 1c employs double insulation and therefore does not itself require an earth connection. An earth continuity (loop) terminal is however provided on the wiring plate for interconnecting existing earth cables.

7.0: System Wiring:

The internal wiring circuit of the MEP1c is illustrated in Figure 2. Note that the input terminal to the switching circuit (terminal 3) is a volt free contact.

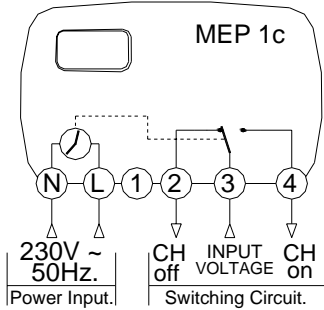


Figure 2: Internal Wiring.

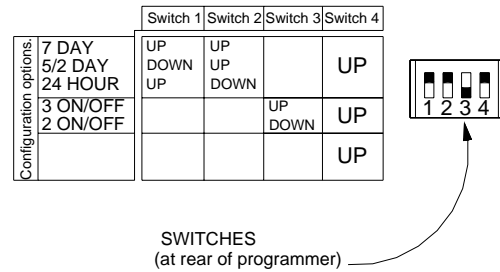


Figure 3: Configuration Switch Settings.

8.0: Configuring the Myson MEP 1c:

At the rear of the programmer is a configuration switch, (see figure 3 above). Available options are:

Data Entry Style:

7 DAY: ON/OFF times can differ from day to day.

5/2 DAY: ON/OFF times are the same Monday through Friday, and are the same on Saturday as on Sunday.

24 HOUR: ON/OFF times are the same for all seven days of the week.

Number of Periods of Heat per Day:

3 ON/OFF: Heat in the morning, afternoon and evening

2 ON/OFF: Heat in the morning and in the evening.

9.0: Fitting the Myson MEP1c to the Wiring Plate:

Where surface wiring has been used (Section 5), use pliers to remove the corresponding **breakout** from the **frame** of the programmer, (fig. 4).

Locate the programmer over the wiring plate at an angle as shown in figure 4. With the MEP1c wiring plate, the frame of the programmer passes underneath a **latching lip** on the wiring plate. The latching lip is not present on non-Myson wiring plates. Ensure that the two **tab receptacles** of the programmer are positioned directly over the two **tabs** of the wiring plate.

Rotate the programmer downwards into position so that it fully covers the wiring plate. Ensure that no conductors are exposed and that there is no possibility of access to any conductors.

The MEP 1c wiring plate possesses a **latching clip**, (fig. 5), which locks the programmer to the wiring plate. Check that the clip has adequately secured the programmer. On non-Myson wiring plates, engage the two **captive screws** of the wiring plate in the two **screw slots** of the programmer frame, (fig. 6). Tighten the screws ensuring that the screw heads are seated in the depression provided.

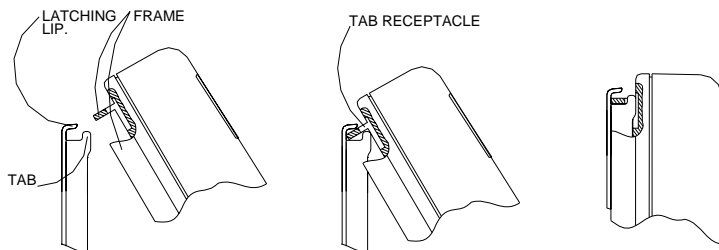


Fig 4. Fitting Programmer to Wiring Plate

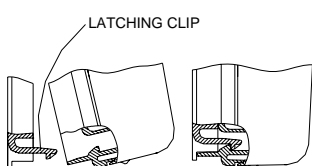


Fig 5. Myson Wiring Plate

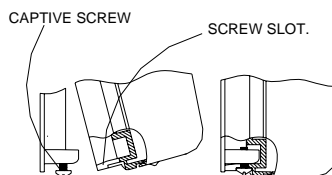


Fig 6. Non-Myson Wiring Plate

10.0: Handover to User:

Check that the programmer operates the heating system correctly and safely. Ensure all technical literature reaches the homeowner. Leave the dust cover provided in place over the programmer to protect it until handover to the homeowner

Remove existing backplate, fit the Myson MEP1c backplate & wire existing wires to the terminal of the Myson backplate as shown below. (identify & mark wires before removing from the existing backplate)

Manufacturer	Model	Myson MEP 1c						
		E	N	L	1 Spare	2 Off	3 Com.	4 On
Acl - Drayton	Switchmaster 300		N,2	L			4	1
	Switchmaster 980		N	L			4	1
	TC		2	1				7
	Tempus 1		N	L	4	3	1	2
	Tempus 2		N	L	4	3	1	2
Danfoss-Randall.	103	4	5	6	2		3	1
	103E	4	5	6	2		3	1
	103E5	4	5	6	2		3	1
	103E7	4	5	6	2		3	1
	911	E	N	L	2	4	5	6
	917	E	N	L	2	4	5	6
	971	E	N	L	2	4	5	6
	3001	E	N	L	1,2,3	6	5	4
	SET1	E	N	L	1,2,3	6	5	4
	SETIE	E	N	L	1,2,3	6	5	4
	SET4	E	N	L	1,2,3	6	5	4
Honeywell	ST6100A		N	L	3	2	1	4
	ST6100C		N	L	3	2	1	4
	ST7000B		N	L		2		3
Horstmann	423 Emerald	E	N	L	5,6		3	4
	423 Pearl Auto	E	N	L	5,6		3	4
	424 Emerald	E	N	L/1	5		3	4
	424 Pearl Auto	E	N	L/1	5		3	4
	Centaur SC1	E	N	L	4	2	1	3
	Centaur SC7	E	N	L	4	2	1	3
	425 Coronet	E	N	L	1,2,3	6	5	4
	517	E	N	L	1,2,3	6	5	4
	Pegler Sunvic	SP20	E	N	L	S	4	3
SP35		E	N	L	S	4	3	5
Potterton	EP4000	E	N	L	A,B,C,D	2	5	4
	EP4001	E	N	L	A,B,C,D	2	5	4
	EP4002	E	N	L	A,B,C,D	2	5	4
	EP5002	E	N	L	A,B,C,D	2	5	4
Sangamo	409 form 8		N,3	L,5	1		6	2
	410 form 8	E	4	6		2	3	1
	M6	E	4	6		2	3	1
Smiths Industries	Centroller 30	E	1	2		3,6		4,5
	Centroller 40	E	1	2		3,6		4,5
	Centroller 50	E	2	1,5				4
	Centroller Mk1		N	L			3	2
	Centroller Mk2		N	L			3	2
Towerchron	DT71		N	L		2	3	4
	QE1		N	L	1	2	3	4
	T2001		N	L				7
	T2001Q		N	L				7
Venner.	Venner T10	E	N	L		1	2	3
	Venotime	E	N	L	2	1		3

TABLE 2: REPLACING AN EXISTING BACKPLATE & REWIRING (See also Table 1)



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