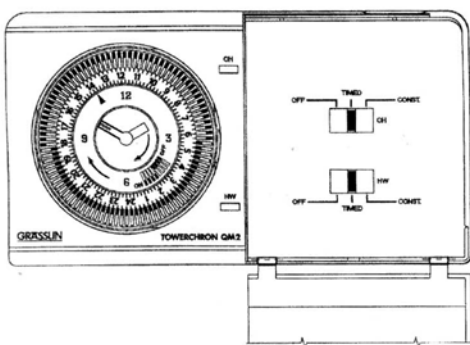




QM2 Mechanical Timeswitch: Short Form Programming Guide

The TOWERCHRON QM2 is double insulated so earth protection is not required. However in the backplate a terminal for earth continuity is provided which should be used if earth conductors are present in your cable. Make sure that the earth conductors are sleeved to prevent accidental contact with live parts.

"TOWERCHRON QM2"



APPLICATIONS (QM2)

- Fully pumped central heating systems using mid position valves, spring return valves or "power open", "power closed" valves.
- Gravity hot water, pumped heating systems with or without motorised valves fitted into the domestic hot water primary circuit.
- Unit, as supplied is suitable for gravity hot water systems. For use on pumped primary systems, separate the backplate from the unit by slackening the securing screw and remove the red pin in the back of the programmers chassis.

PROGRAMMING YOUR "TOWERCHRON QM2"

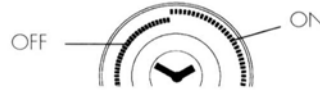
• SETTING TIME OF DAY

- Rotate the minute hand of the clock until the arrowhead in clock face aligns with the correct time on the outer dial, i.e. 8=8.00 a.m., 14=2.00 p.m.



• SETTING ON/OFF TIMES

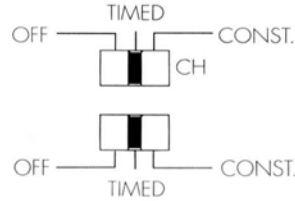
- Move all tappets between ON and OFF times required to outer position. The minimum switching time is 15 minutes.
- Set any other ON/OFF periods in a similar manner.



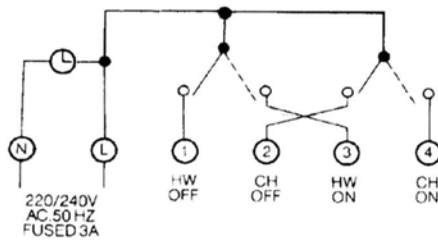
• SLIDE SWITCHES (UNDER DROP DOWN COVER)

Pull top edge of drop down cover to gain access to slide switches. Two switches are provided, one for heating, the other for hot water. Depending on the system installed, each switch provides the following functions.

- OFF service off completely
- TIMED service comes on between ON and OFF periods as set on tappets on clock face
- CONST service is on continuously

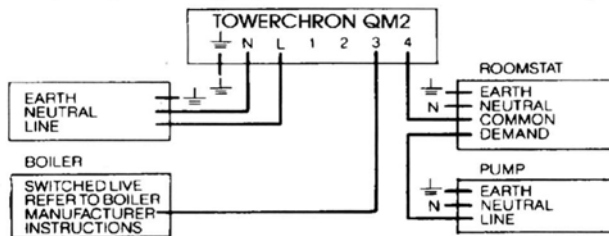


INTERNAL WIRING DIAGRAM (QM2)



- NB • Carry out wiring installation using appropriate diagram as shown
 NB • Plug in unit and secure to the base by tightening fixing screw.

Gravity Hot Water / Pumped Heating - System with Room Stat to Control Pump

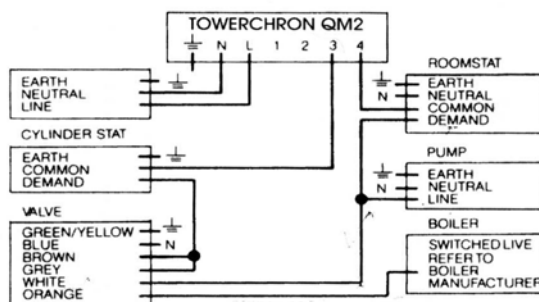


- NB • With the above system, the following combination can not be selected on the slide switches:
- Heating TIMED, hot water off
 - Heating CONST, hot water off
 - Heating CONST, hot water timed
- NB • Fully pumped systems
 - Remove red pin (see APPLICATIONS TOWERCHRON QM2)

The following wiring diagrams are schematic only (for clarity the earth and neutral connections are omitted). We suggest when wiring systems a suitable wiring centre is used (the Tower Controls wiring centre is purpose made and gives full information for wiring this programmer into systems using compatible equipment).

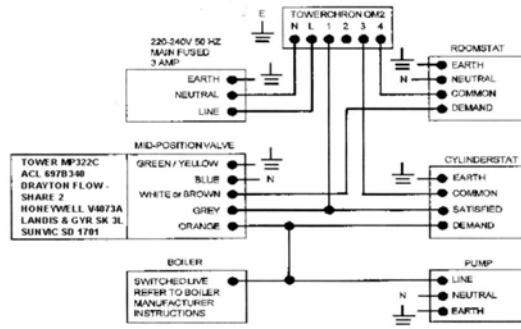
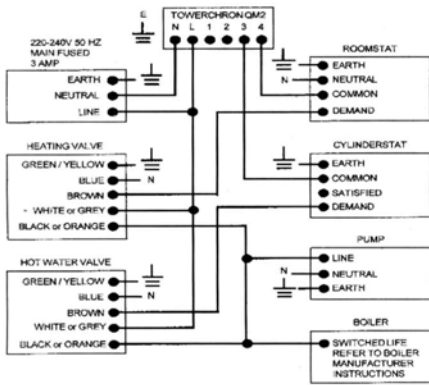
Gravity Hot Water/Pumped Heating System - Two Port Valve in D. H. W. with Room and Cylinder Stats

Note: Only valves with "change over" end switches are suitable



Fully Pumped System using 2 Port Spring Return

Fully Pumped System using 3 Port Mid-Position Valve



Conversion Chart for different Room / Cylinder Thermostats

Cylinder Stats

	E	C O M	D E M	S A T
TOWER CS1		RED	BLK	YEL
ACL HTS 2		1	2	3
DRAYTON CS1	E	1	2	3
HONEYWELL L641 A		C	1	2
LANDIS&GYR RAM2.1		1	2	3
SWITCHMASTER SCT		1	2	3
SUNVIC SA 2451	E	3	1	2

Room Stats

	E	N	C O M	D E M	S A T
TOWER SS	E	4	1	2	
TOWER RS	E	4	1	3	
ACL TS 142	E	4	1	2	
DRAYTON RTE	E	4	1	2	3
HONEYWELL T 6160B		2	1	3	4
LANDIS&GYR RAD5		4	6	2	2
SWITCHMASTER SRT2	5		1	3	
SUNVIC TLX2259	E	4	3	1	