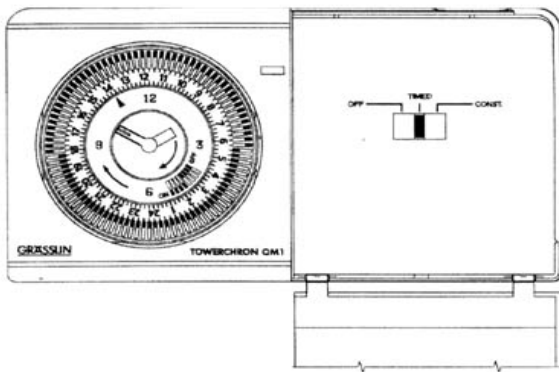




QM1 Mechanical Timeswitch: Short Form Programming Guide

The TOWERCHRON QM1 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 QM1"



APPLICATIONS (QM1)

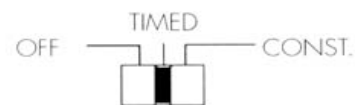
- Any simple time switching application up to the stated rating
- Domestic heating systems where both heating and hot water services are required to switch ON and OFF at the same time
- Controlling a "combi" or "combination boiler"

PROGRAMMING YOUR "TOWERCHRON QM1"

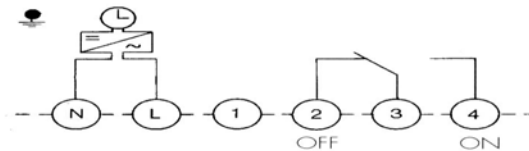
- **SETTING TIME OF DAY**
 - Rotate the minute hand of the clock until the arrowhead in clock face aligns with the correct time on the outer dial, i.e. 8=8.00 a.m., 14=2.00 p.m.
- **SETTING ON/OFF TIMES**
 - Move all tappets between ON and OFF times required to outer position. The minimum switching time 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 switch. The slide switch provide 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



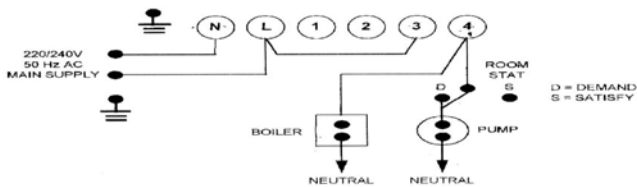
INTERNAL WIRING DIAGRAM (QM1)



- NB • Carry out wiring installation using appropriate diagram as shown.
- NB • When the TOWERCHRON QM1 timeswitch is to be used with a combination boiler, always refer to the boiler manufacturers instructions concerning electrical wiring before using the information contained in this leaflet. In some cases the boilers manufacturers instructions will contain information regarding removal of certain link wires and will always indicate the fuse rating for the mains electrical supply.
- NB • Plug in unit and secure to the base by tightening fixing screw.

WIRING INSTALLATION INSTRUCTION (QM1)

Simple circuit for domestic central heating boiler with gravity fed hot water supply



This diagram is correct for mains operated systems. The link wire L-3 must be fitted by the installer.

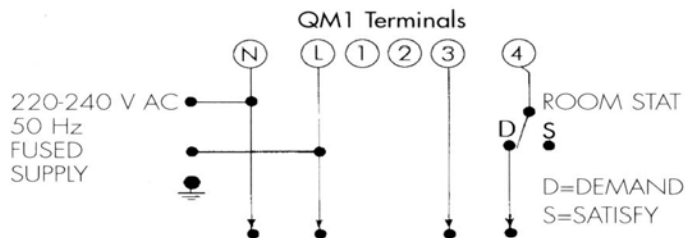
- NB • TOWERCHRON QM1 is ideally suited for controlling combination boilers. The following basic circuit diagrams apply for the range indicated.

Room Stat Conversion Chart

	E	N	COM	DEM	SAT
TOWER SS	E	4	1	2	
TOWER SSTRS	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	
SWITCHMASTER SRT2	5		1	3	2
SUNVIC TLX2259	E	4	3	1	

Important Note:

It is important that you always refer to the Boiler Manufacturers Instructions concerning electrical wiring before using the information contained in this leaflet. In some cases the Boiler Manufacturers Instructions will contain information regarding removal of certain link wires and will always indicate the fuse rating for the main electrical supply.



Combination Boiler Model

Chaffoteaux Celtix 2.20 OFF	N	PH	7	6
ELM Leblanc GVM 420			See Special Circuit	
Glowworm Fuelsaver	N	L	8	7
Ravenheat	N	L	C	D

Saunier Duval SD 620 F	N	L	2	3
Saunier Duval SD 123C	N	L	2	1
Saunier Duval SD 235C	N	L	2	1
Saunier Duval SD 135C	N	L	2	1
Saunier Duval SD 625M			See Special Circuit	
Vaillant VCW 20/1 T3W	1MP	2R	3	4
Vaillant VCW 25/1 T3W	1MP	2R	3	4
Vaillant VCW Sine 18 T3W	1MP	2R	3	4
Vaillant VCW GB 182 EH	N	L	3	4
Vaillant VCW GB 242 EH	1	2	3	4
Vokera 18/72 MCF	N	L	4	5
Vokera 21/84 MCF	N	L	4	5
Vokera 21/84 TURBO	N	L	4	5
Vokera 18/72 DMCF	N	L	3	4
Vokera 21/84 DMCF	N	L	3	4
Vokera 21/84 DC TURBO	N	L	3	4
Vokera 20/80 RS TURBO	N	L	3	4
Worcester Heatslave Senior 12	N	L	2	4
Worcester Heatslave Senior 20430	N	L	2	4
Worcester Heatslave Senior 6	N	L	2	6
Worcester Heatslave 9-24 RSF	N	L	1	2
Worcester Heatslave 9-24 BF	N	L	1	2
Worcester Heatslave 9-24 OF	N	L	1	2
Worcester Heatslave High Flow BF	N	L	2	2
Worcester Heatslave High Flow OF	N	L	2	3

Boiler Terminal Numbers