

Heatmiser TR2

Instruction Manual

Introduction

The Heatmiser TR2 provides remote access to your heating system. Up to 32 Heatmiser thermostats can be controlled by using your telephone keypad. Each thermostat should have a unique communication address set prior to using the TR2. For information on setting this communication address, consult the manual of your thermostat.

You should follow the wiring diagram enclosed in this document.

Default Code

To gain access to your TR2, dial the TR2 number and when prompted, enter the code: 000000 followed by # on your telephone keypad.

Changing the Code

To change the code in your TR2, follow the steps below.

- Dial your TR2 and enter your current code
- Press **10xxxxxx#** (replace x with your code) Your new code should be 6 digits long.

Factory Reset

To put the TR2 through a factory reset, you should press and hold the RESET button (marked on the PCB) for 4 seconds. The code will revert back to the default code.

Changing the number of rings

By default, the TR2 will allow 7 rings before it picks up the call. You can change the number of rings from 2 to 7.

To change the number of rings, follow these steps.

- Dial the TR2
- Enter the pass-code followed by #
- Enter **800#** (# is the ring time from 2-7 rings)

Distinctive Ring

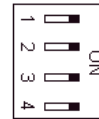
The TR2 supports distinctive ring. This is marketed under a variety of names, but is primarily a function that offers additional telephone numbers on the same line.

CallSign, from BT for example, provides you with an additional telephone number on the same line. This number has a different ring pattern from your normal number and this pattern can be detected by the TR2 meaning that you can have an answering machine* on the same line as the TR2.

*Note: Your other telephone equipment must also support Distinctive Ring. If they don't, you can purchase a BT product "BT TwinTalk" which will provide this function.

(Default Setting) = All switches ON

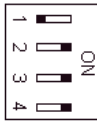
As a default setting, distinctive ring is disabled. As you can see from this picture, All the switch positions are in the ON position. This means the TR2 will answer ALL incoming calls according to the number of rings programmed.



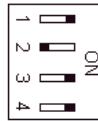
Selecting the Ring

There are 7 Distinctive Rings. You should contact your telephone provider to learn which ring pattern is in use on your Distinctive Ring number. (For your reference, Distinctive Ring 4 is normally used for BT CallSign)

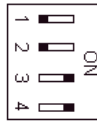
Distinctive Ring 1



Distinctive Ring 2



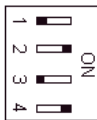
Distinctive Ring 3



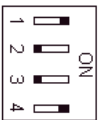
Distinctive Ring 4



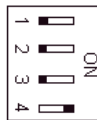
Distinctive Ring 5



Distinctive Ring 6



Distinctive Ring 7



Ending the Call

At the end of your call, press **88#**

The TR2 will automatically hang up after 1 minute from the last key press.

Features

Global Temperature Hold

This function allows you to hold a desired temperature on ALL the thermostats on your system. Temperature Hold will hold the temperature you select until the thermostat reaches it's next programmed comfort level. At that time, the thermostat will revert back to the programmed setting.

To use this function, you would enter the following: **01 xx ** #**
(Replace xx with the desired temperature)

Specific Thermostat Temperature Hold

This function allows you to hold a desired temperature on certain thermostats on your system. Temperature Hold will hold the temperature you select until the thermostat reaches it's next programmed comfort level. At that time, the thermostat will revert back to the programmed setting.

To use this function, you would enter the following: **01 xx ** #**
(Replace xx with the desired temperature)
(Replace ** with the desired thermostat)

For example 01 20 01 would hold 20°C on thermostat 01

Global Frost Enable

This function allows you to enable frost mode for ALL the thermostats on your system. The thermostat allows you to program a frost temperature setting, adjustable from 07-17°C When the thermostat is in frost mode, this temperature is maintained. This is ideal for times when you are away from the property and want a reduced temperature level to cover against frost damage.

To use this function, you would enter the following: **02 01 ** #**

Global Frost Disable

This function allows you to disable frost mode for ALL the thermostats on your system. The thermostat allows you to program a frost temperature setting, adjustable from 07-17°C When the thermostat is in frost mode, this temperature is maintained. This is ideal for times when you are away from the property and want a reduced temperature level to cover against frost damage.

To use this function, you would enter the following: **02 00 ** #**

Specific Thermostat Frost Enable

This function allows you enable frost mode for certain thermostats on your system. The thermostat allows you to program a frost temperature setting, adjustable from 07-17°C. When the thermostat is in frost mode, this temperature is maintained. This is ideal for times when you are away from the property and want a reduced temperature level to cover against frost damage.

To use this function, you would enter the following: **02 01 xx #**
(Replace xx with the desired thermostat number)

Specific Thermostat Frost Disable

This function allows you enable frost mode for certain thermostats on your system. The thermostat allows you to program a frost temperature setting, adjustable from 07-17°C. When the thermostat is in frost mode, this temperature is maintained. This is ideal for times when you are away from the property and want a reduced temperature level to cover against frost damage.

To use this function, you would enter the following: **02 00 xx #**
(Replace xx with the desired thermostat number)

Set Temperature Request

You can quickly check the SET temperature of any thermostat on your system.

To do this press **03 xx #**

Replace xx with the stat number (eg 01 for stat 1)

Actual Temperature Request

You can quickly check the actual temperature of any thermostat on your system.

To do this press **04 xx #**

Replace xx with the stat number (eg 01 for stat 1)

Output Status Request

You can quickly check the output status of any thermostat on your system. This function will inform you whether the heat output is on or off. To do this, press **05 xx #**

Replace xx with the stat number (eg 01 for stat 1)

Turning the Hot Water On

If you have a PRTHW-N thermostat on your system, you can quickly turn the hot water on by pressing **06 01 #**

Turning the Hot Water Off

To turn off the HW, press **06 00 #**

Checking the Hot Water Status

If you have a PRTHW-N thermostat on your system, you can check the hot water status by pressing **07 #**

Turning the TR2 Output On

The TR2 has a single output that can be used to remotely switch on/off a single appliance. To turn on this output, you would press **08 01 #**

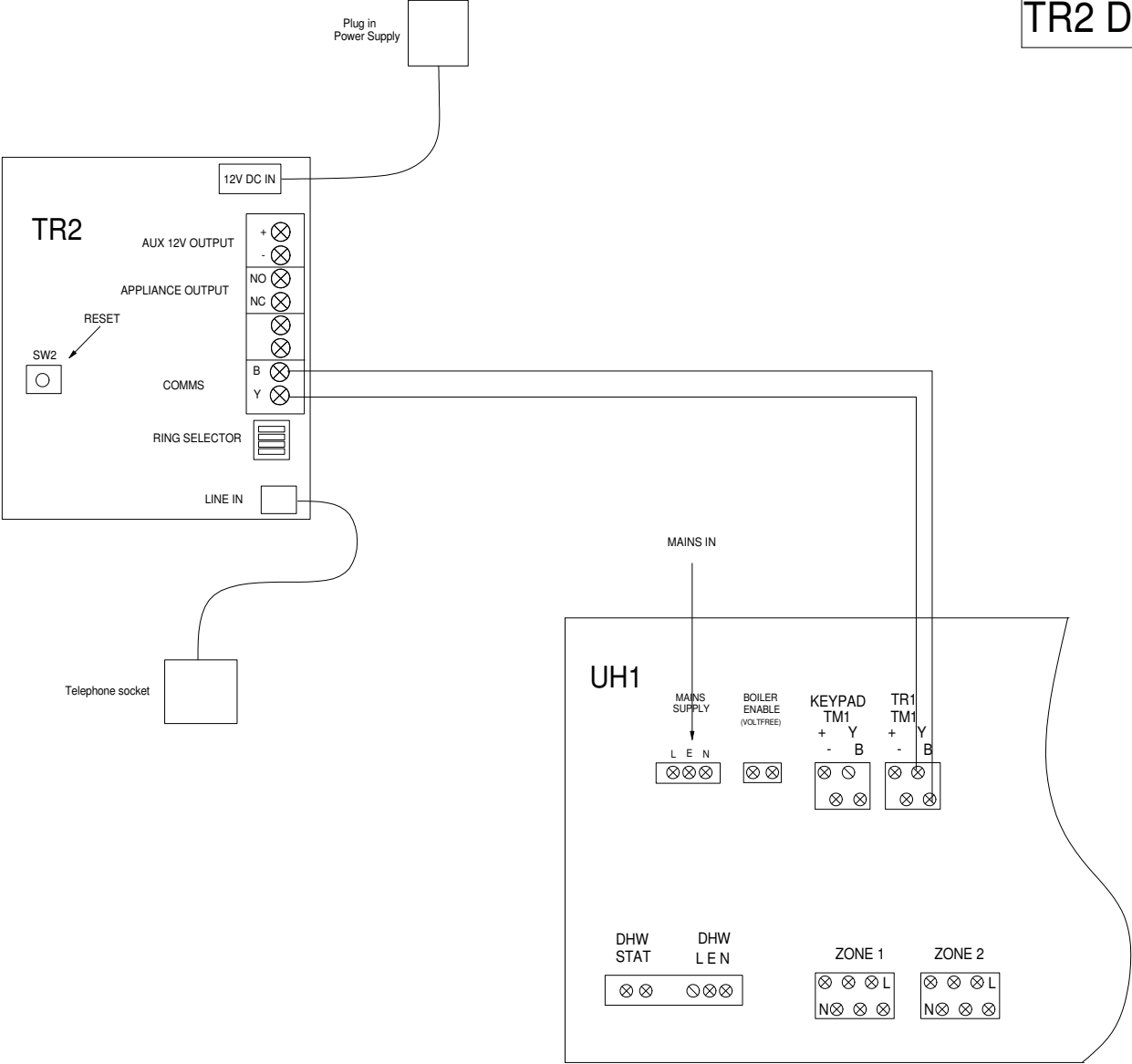
Turning the TR2 Output Off

And to turn the output Off, you would press **08 00 #**

Checking the Output Status

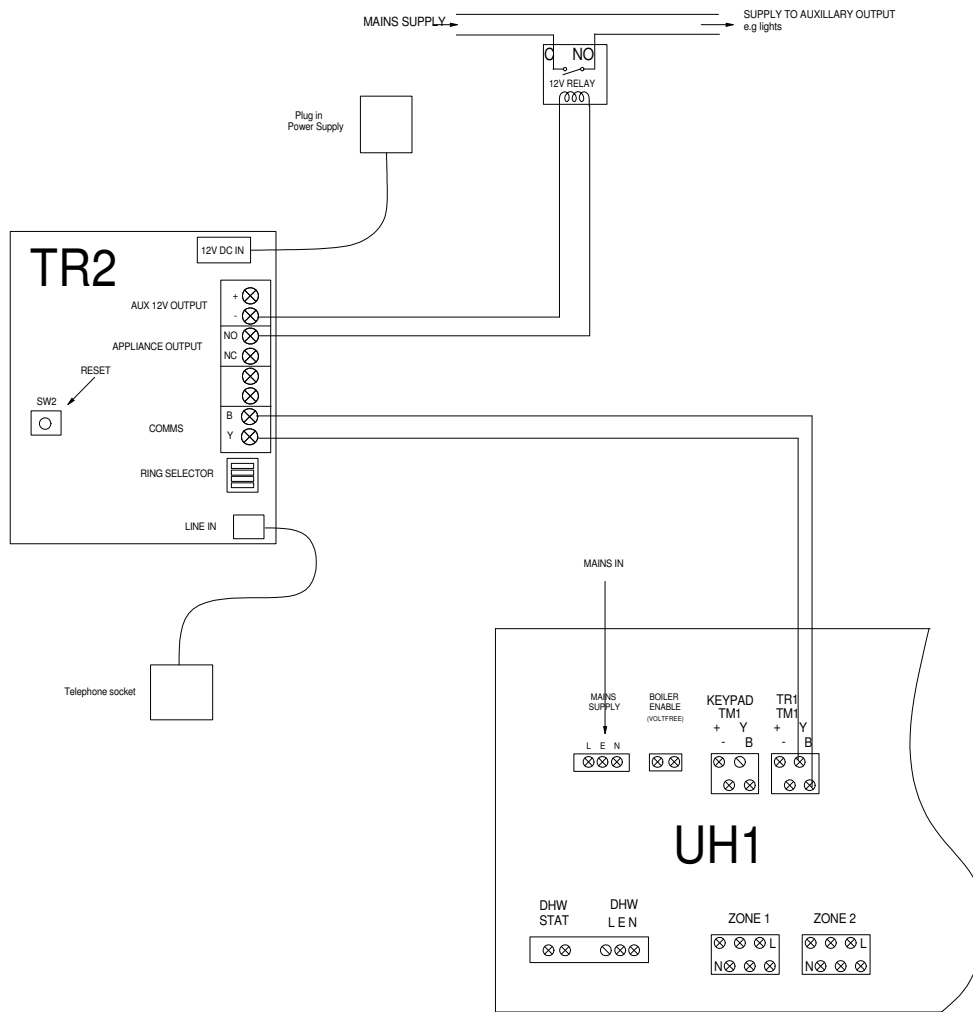
You can check the output status at any time by pressing **09 #**

TR2 DRAWING



CONNECTING THE TR2 TELEPHONE CONTROL UNIT

TR2 DRAWING 2



TR2 DRAWING 3

