

# Programmable Touch screen thermostat HIQ 414 and 415

Manufactured for Heat IQ to give you years of reliable service, we guarantee it!

## Specifications

**Power** - 2 x AA 1.5V batteries  
**Accuracy** - 0.5 Deg C  
**Sensor** - NTC(10K)1%  
**Load capacity** - 5A/240v (BW)  
**Switch type** - Potential free  
**Range of adjustment** - 5 to 35 Degrees C  
**Range of display** - 0 to 40 Degrees C  
**Setting type** - 5 plus 2 days  
**Mounting** - Wall Surface mounted  
(Can fit over standard box, fit Horizontal)  
**Dimensions** - 130 w 90 h 27 d

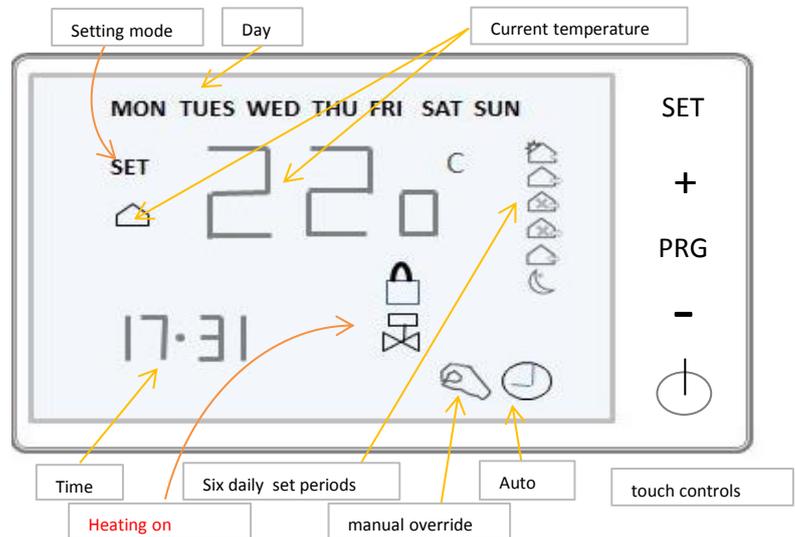
## Mounting & Wiring instructions

Install approximately 1.5 m from floor  
Avoid walls subject to direct sunlight or adjacent to a heat source  
Fit away from drafts from doors and windows  
Seal around the opening into the wall space behind the control if drafts present  
Will fit to standard flush box if required (horizontal)

Output switching is volt free Can switch voltage up to 5A or, use to make potential free switching (typical with most boilers or Heat pumps)

Connect using **Com** and **NO** terminal's

**Note** for some applications use of the NC terminal may be required - NC terminal makes circuit when Thermostat is not calling, breaks when calling.



Programmed memory is held when screen is off

## Setting and use

### To set clock time and day

Press PRG momentarily, use plus or minus to change flashing setting press PRG again to move to next item.

**before Setting switch times and temperatures we recommend you write down each of the six time and temperatures required for the Mon-Fri and the Sat Sun programmes. You will need to work quickly when entering to avoid the screen returning to the default display**

### To set (6) Daily set points (Monday to Friday)

Press and Hold PRG the first setting point time will flash set the hour and press PRG to enter... now set the minutes value and press PRG to enter .... Now set the desired temperature and press PRG to enter.

You are now at the second set time.. do as above and repeat until all six times and setting temperatures are entered.

### (Saturday & Sunday)

As you complete the sixth setting the process will start again for the Saturday and Sunday setting

following the process as above enter your six weekend set points and temperatures.

You can **review all settings** by pressing and holding PRG to enter the settings then simply repeat touch PRG to scroll through the settings

### Manual override

Press SET to switch to manual the hand symbol will be displayed in this mode use the +/- buttons to set your desired full time setting.

### Temporary override

at any time you can use +/- to adjust the current set temperature the setting will return to default at the next switching time

**Key lock** Press + & - for five seconds to lock or release keys

## Advanced settings : By Engineer Recommended

to enter **Advanced 1 settings** with the thermostat in off status press SET and + together for three to five seconds...

A1 will be displayed you can scroll from A1 to A9 by pressing SET To adjust parameters use +/-

**A1** = temperature calibration, adjust current temperature reading

**A2** = stop start switching differential 1 to 5 C.

**A3** = Key lock 0= lock except on off key 1= all keys lock

**A4** = sensor type -N1 built in N2 Floor N3 floor and built in USE N1 only with battery power Thermostat

**A5** = High temp protection switch point 45 Deg default, System off if exceeded (not really relevant to normal uses)

**A6** = Low temperature protection switch point 5 Deg C default

**A7** = Low user setting limit say 5 deg C

**A8** = High user setting limit say 28 deg C

**A9** = Programming type **7 Days / 6 plus 1 or 5 plus 2**

For further assistance contact Heat IQ

**REPLACE BATTERIES ANUALLY** Use small screwdriver in slots in lower edge to remove control from back plate

Thank you for purchasing this thermostat from heat IQ we appreciate your business

## Service Guarantee (2 years from date of purchase)

This product was manufactured to our exacting standards. In case of failure, no serviceable parts are enclosed, do not open, return to

Tradepoint (Heat IQ) Ltd Wanganui New Zealand sales@heatiq.co.nz or call 0064 6 3447392 PO box 530 Wanganui