Safety:
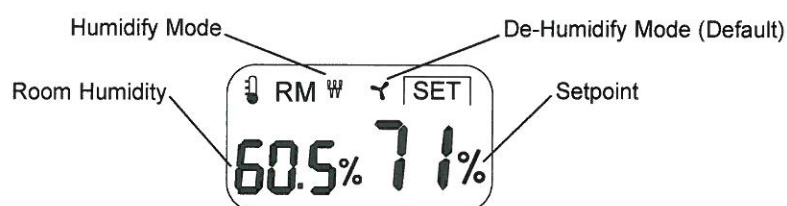
Do not connect the TH-810H to an extension lead or to another time switch. It is not recommended that equipment with exposed moving parts are used with the TH-810H since they may start without warning causing injury. Do not insert metallic objects into electrical outlets. The unit should not be exposed to temperature and humidity outside the operating conditions specified below. The TH-810H is intended for indoor use only and should not be positioned in direct sunlight. Do not attempt to dis-assemble, modify or repair this equipment. Repair must be performed by authorised service personnel only. A soft cloth should be used for cleaning the equipment and display if required. Do not use chemical or scouring agents, or submerge in water. Keep the device out of reach of children.

General Specification:

Operating Voltage:	230Vac 50/60Hz
Max Load:	Max. Resistive Load...16A (3680W)
	Max. Inductive Load...2A (460W)
Temperature Operating Range:	10°C - 40°C
Humidity Operating Range:	25%rH - 85%rH
Humidity Control Range:	10%rH - 90%rH
Precision:	±5%rH
Measurement Frequency:	10 secs
Approval:	CE, TUV, GS

LED Status Indicator
LCD Display (Detail A)
Reset
Power
Setpoint Adjustment

Detail A: TH-810H Display

Humidify Mode
De-Humidify Mode (Default)
Room Humidity
Setpoint

RM W Y SET

60.5% 71%
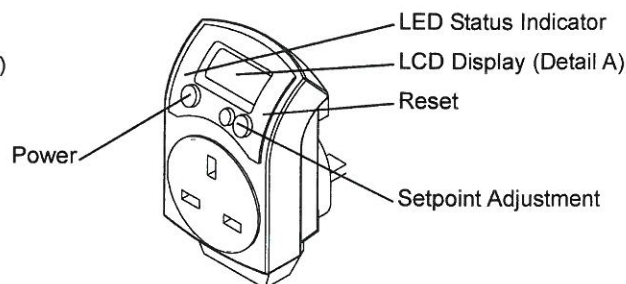
Operation:

The TH-810H is designed to operate with humidifying and de-humidifying equipment. In each mode the setpoint is adjusted by pressing the up and down arrow buttons. NOTE: There is a 60sec delay before the humidistat responds to a new setpoint. A definition of each operation mode is detailed below:

NOTE: The default operation mode for the TH-810H is de-humidification mode.

De-humidify mode: (When room humidity (RM) is GREATER than setpoint humidity (SET), POWER ON) *This operating mode is indicated by a fan symbol on the display.*

The default setpoint is 40%rH. When the room humidity (RM) is 5%rH higher than the setpoint (SET), the LED will illuminate green to display that there is power to the unit. When the room humidity (RM) drops to 5%rH below the setpoint, the LED will illuminate red and there will be no power to the unit. The 5%rH difference between room humidity (RM) and setpoint (SET) prevents damage caused by frequent switching of the equipment.

Humidify Mode: (When room humidity (RM) is LOWER than setpoint humidity (SET), POWER ON) *This operating mode is indicated by a droplet symbol on the display.*

NOTE: To use the TH-810H with humidification equipment, the following instructions should be followed:

Press and hold the 'power' and 'up' buttons simultaneously for 3 seconds. The fan symbol is replaced by a droplet symbol.

The default setpoint is 40%rH. When the room humidity (RM) is 5%rH lower than the setpoint (SET), the LED will illuminate green to display that there is power to the unit. When the room humidity (RM) increases to 5%rH above the setpoint, the LED will illuminate red and there will be no power to the unit. The 5%rH difference between room humidity (RM) and setpoint (SET) prevents damage caused by frequent switching of the equipment.

Power Button:

The humidistat has an override to switch off power to connected appliances by pressing the power button. The LED will not be lit and no setpoint (SET) will be displayed. The power can be switched back on by pressing the power button again.

Battery Backup:

The TH-810H humidistat includes a battery back up which will retain the setpoint for a short time if mains power is isolated from the equipment. When the battery power is low, (LO) is displayed and a battery symbol will flash. If power is removed for longer periods the humidistat may return to its default settings.

Resetting the TH-810H:

The TH-810H can be reset to its default settings by pressing the reset (RESET) button using a blunt implement.