

The HIQ 112 range (75.7-T) Programmable thermostat can be set to control 6 switching points (events) per day with each day different if required - with - Manual override to on or comfort mode when required This thermostat is suitable for the control of all hydronic heating systems inc UFloor and Radiator systems , as well as being able to be used for the control of electric heaters and UF mats requiring switching up to 16 Amps

Selection Table:

Model	Current	Application
75.716T	16A	for control of electric heating devices
75.713T	3A	for control of on/off valve actuator
75.723T	3A+3A	for control of on/off valve actuator

Technical data:

Voltage : AC230V
 Power consumption : 2W
 Setting range : 5°C ~50°C (factory setting: 5°C~35°C)
 Limitation range : 4°C ~99°C (factory setting: 28°C~32°C)
 Switching differential : ±0.5K
 Ambient temperature : -5~50°C
 Protective housing : IP20
 Housing material : anti-flammable PC
 Floor sensor : 3m NTC probe available

Function:

- ☰** manual mode
Setting temperature according to your individual requirement, permanent override the clock-controlled programming mode
- 🕒** clock-controlled programme mode
The day has been split into 6 events with different time and temperature the thermostat will operate automatically according to this presetted programme under this mode
- ☺** & **☺** comfort mode
Change to manual mode, temporarily override the temperature in the 6-event schedule program, the override will operate until the next programmed event when the unit will resume the automatic programme

- ☀** Wake-up, event 1
- 🌄** Leave (am), event 2
- 🏠** Return (am), event 3
- 🌄** Leave (pm), event 4
- 🌙** Return (pm), event 5
- 🌙** Sleep, event 6
- 🔥** Heating on
- LOCK** "Key-lock" function is activated
- SEN** Set sensor mode (room sensor, floor sensor, both sensors)
- PRG** Set vacation operating mode
- HI** Max. temperature
- LO** Min. Temperature
- ADA** Early start adaptive function
- ADJ** Temperature adjustment ensures accurate measurement
- 📺** Display with backlight, stay on for 20 secs.
- 📺** Inclined LCD display for better read out
- 🔌** Zero power consumption after de-energizing

"Key-lock" function

Symbol: **Lock**
 Press both the "▲" and "▼" keys for 5 secs to engage/disengage the "key-lock" function.

Daily use of the thermostat

- 1) menu** **☰**
Press the "☰" key to select manual mode or clock-controlled programme mode, use the "▲" or "▼" key to enter into comfort mode in clock-controlled programme mode
- 2) plus "▲" & minus "▼"**
Press the "▲" or "▼" key to increase or decrease your set value
- 3) clock** **🕒**
Press the "🕒" key to set the time and day
press the "🕒" key till the day start blinking, use the "▲" or "▼" key to set the day, press the "🕒" key to confirm the setting and the hours start blinking, use the "▲" or "▼" key to set the hours, press the "▲" or "▼" key to confirm the setting and the minutes start blinking, use the "▲" or "▼" key to set the minutes, press the "🕒" key to accept the settings
- 4) on/off** **🔌**
Press the "🔌" key to switch on or switch off the thermostat
the setted temperature and the time will be displayed on left side of screen alternately, and the room temperature can be directly read out on right side of screen

Programming: 6-event time and temperature
 Press the "☰" key for 5 seconds to begin programming

Key	Event	Symbol	Time	▲ ▼	Temperature	▲ ▼	
☰	Day 1-5	1	☀	06: 00	Set the start/end time	20°C	Set programmed temperature
		2	🌄	08: 00		15°C	
		3	🏠	11: 30		15°C	
		4	🌄	12: 30		15°C	
		5	🌙	17: 00		22°C	
		6	🌙	22: 00		15°C	
☺	Day 6-7	1	☀	08: 00	22°C		
		2	🌙	23: 00	15°C		

Note:
 1) the pre-programmed setpoint (15°C) for event 3 & 4 is the same as event 2, please reset it according to your individual requirement
 2) symbol "off" will be displayed if the setpoint reaches the minimum set value and the thermostat is switched off in this event

Advanced settings (qualified person preferred)
 press the "☰" key simultaneously switching on the thermostat to enter into the advanced setting mode (when the device is switched off)

Key	Symbol	Setting	▲ or ▼
☰	1	SEN Sensor mode	IN : built-in sensor OUT: floor sensor ALL : both sensor (floor sensor is the limit sensor)
	2	PRG Set vacation mode	2: 5/2 day mode 1: 6/1 day mode 0: 7 day mode
	3	HI Max. Temperature	Max. Limitation temperature setpoint (99°C)
	4	LO Min. Temperature	Min. Limitation temperature setpoint (4°C)
	5	ADA Adaptive function	ON : preheating 30 minutes early OFF: cancel adaptive function
	6	ADJ Temperature calibration	Adjust measured temperature
	7	ECE Monitoring of energy consumption	Total switch-on time in percentage in the latest 3 days
	8	FAC Rest to factory setting	Programming parameters will be reset to factory settings when "..." appears
	9	DEA Auxiliary potential-free output (only for RTC75.72X)	00: O/P when the thermostat is switched on 01: O/P together with the main loop 02: built-in sensor control main loop floor sensor control auxiliary loop 03: O/P, NOP 30s alternately by the main loop 05: O/P 5mins, NOP 10mins in turn 10: O/P 10mins, NOP 20mins in turn 15: O/P 15mins, NOP 30mins in turn
	10	BAT Model selection	YES: RTC75.7XXT NO : RTC75.7XX

Sensor failure:
 Please select the right sensor mode when operation, it will display the "Err" symbol on screen for sensor failure, thermostat must be checked till the fault is eliminated

