

HELTUN HE-HT01 Heating Thermostat

Comparison Sheet

	HELTUN HE-HT01	HEATIT Z-TRM3	MCO Home MH7H	Secure SCS317+SSR303
				
Design				
On Wall thickness	9 mm	21.3 mm	15 mm	36 mm
Color models	30	4	1	1
LCD size	big	small	big	big
Buttons	6 touch	3 touch	5 touch	4 push
Junction box	EU/UK	EU	EU	not required
Installation is standart plastic frame like Gira	✗	✓	✗	✗
Power				
Power supply VAC	85 - 265	230	85 - 260	230
Power supply VDC	24 - 48	✗	✗	✗
Consumption	< 1W	< 2W	< 1W	
Load				
Max load	16A	16A	16A	3A
NC/NO mode	✓	✗	✗	✗
Zero-cross technology	✓	✗	✗	✗
Load issue detection & notification	✓	✗	✗	✗
Sensors				
Air temperature sensor	✓	✓	✓	✓
Humidity sensor	✓	✗	✗	✗
Light sensor	✓	✗	✗	✗
External NTC sensor input	✓	✓	✓	✗
NTC sensor range	1-100 kΩ	10-47 kΩ	15 kΩ	✗
External NTC sensor included in box	✓	✗	✗	✗
Energy consumption meter	✓	✓	✗	✗
Sensors report adjustable threshold	✓	✓	✓	✗
External control input	✓	✗	✗	✗
Second External NTC sensor	✗	✓	✗	✗
Functions				
Operating modes	6	2	4	2
Schedule mode	✓	✗	✓	✓
Temperature set interval	1.0° - 37.0°C	5.0° - 40.0°C	5.0° - 37.0°C	5.0° - 30.0°C
Internal clock	✓	✗	✓	✓
LCD brightness manual control	✓	✓	✓	✗
LCD brightness auto control	✓	✗	✗	✗
Child Lock mode	✓	✓	✓	✗
Protections & Notifications				
Over Heat protection & notification	✓	✗	✓	✗
Over Current protection & notification	✓	✗	✗	✗
Over Voltage protection & notification	✓	✗	✗	✗
Voltage Drop protection & notification	✓	✗	✗	✗
Spark & Surge protection & notification	✓	✗	✗	✗
System Failure protection & notification	✓	✓	✗	✗
Z-Wave				
Platform	700	500	500	300
Multi frequency	✓	✗	✗	✗
S0 security	✓	✓	✗	✗
S2 security Unauthenticated	✓	✓	✓	✗
S2 security Authenticated	✓	✓	✗	✗
Smart Start	✓	✓	✗	✗
OTA firmware update	✓	✓	✓	✗
Relay state association group	✓	✓	✓	✓
Air temperature sensor association group	✓	✓	✗	✗
NTC temperature sensor association group	✓	✓	✗	✗
Humidity sensor association group	✓	✗	✗	✗
Light sensor association group	✓	✗	✗	✗
Act as Z-Wave signal repeater	✓ with strong signal	✓	✓	✗
Z-Wave Certification	Z-Wave Plus v2	Z-Wave Plus	Z-Wave Plus	Z-Wave
Warranty				
	3 years	1 year	1 year	
Average Price in EU				
	€ 169.99		€ 149.99	€ 209.00

The comparison is based on Heltun research and the actual functionality of devices may vary.

HELTUN HE-FT01 Fan Coil Thermostat

Comparison Sheet

	HELTUN HE-FT01	MCO Home MH8
		
Design		
On Wall thickness	9 mm	15 mm
Color models	30	1
LCD size	big	big
Buttons	6 touch	5 touch
Junction box	EU/UK	UK
Installation is standart plastic frame like Gira	✗	✗
Power		
Power supply VAC	85 - 265	85 - 260
Power supply VDC	24 - 48	✗
Consumption	< 1W	< 1W
Load		
Max load	5x5A	16A
2 pipe system	✓	✓
4 pipe system	✓	✓
NC/NO mode	✓	✓
Zero-cross technology	✓	✗
Dry contact	✓	✗
Sensors		
Air temperature sensor	✓	✓
Humidity sensor	✓	✗
Light sensor	✓	✗
Energy consumption meter	By software	✗
Sensors report adjustable threshold	✓	✓
External control input	✗	✗
Functions		
Operating modes	3	1
Clima modes	4	3
Schedule mode	✓	✓
Temperature set interval	1.0° - 37.0°C	5.0° - 37.0°C
Fan control	3 speed	3 speed
Fan Speed auto control	✓	✓
Internal clock	✓	✓
LCD brightness manual control	✓	✓
LCD brightness auto control	✓	✗
Child Lock mode	✓	✗
Z-Wave		
Platform	700	500
Multi frequency	✓	✗
S0 security	✓	✗
S2 security Unauthenticated	✓	✗
S2 security Authenticated	✓	✗
Smart Start	✓	✗
OTA firmware update	✓	✓
Relay state association group	✓	✗
Air temperature sensor association group	✓	✗
Humidity sensor association group	✓	✗
Light sensor association group	✓	✗
Act as Z-Wave signal repeater	✓ with strong signal	✓
Z-Wave Certification	Z-Wave Plus v2	✗
Warranty		
	3 years	1 year
Average Price in EU		
	€ 169.99	€ 149.99

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HELTUN HE-TPS05 Touch Panel Switch Quinto

Comparison Sheet

	HELTUN HE-TPS05	MCO Home MH-S310	Fibaro FGWDEU-221
			
Design			
On Wall thickness	9 mm	15 mm	
Color models	30	2	1
Buttons LED colors	2	2	RGB
Junction box	EU/UK	UK	EU/UK
Installation is standart plastic frame like Gira	✗	✗	✓
Power			
Power supply VAC	85 - 265	85 - 260	110 - 230
Power supply VDC	24 - 48	✗	✗
Consumption	< 1W		
Load			
Channels	5	4	2
Max load	5x5A	4x5A	1x13A or 2x8A
NC/NO mode	✓	✗	✗
Zero-cross technology	✓	✗	✗
Dry contact	✓	✗	✗
Control of loads with different power source	✓	✗	✗
Sensors			
Air temperature sensor	✓	✗	✗
Humidity sensor	✓	✗	✗
Light sensor	✓	✗	✗
Energy consumption meter	By software	✗	✓
Sensors report adjustable threshold	✓	✓	✓
External control input	✗	✗	✗
Functions			
Internal clock	✓	✓	✗
Buttons brightness manual control	✓	✓	✓
Buttons brightness auto control	✓	✗	✗
Scen runner	✓	✗	✓
Dimmers control	✓	✗	✓
Motorized device control	✓	✗	✗
Choosing of button number for each relay control	✓	✗	✓
Separate control of LEDs from gateway	✓	✗	✗
Outputs control			
Toggle switch (invert state)	✓	✓	✓
Momentary switch	✓	✓	✗
Momentary reversed switch	✓	✗	✗
Switch On only	✓	✗	✓
Switch Off only	✓	✗	✓
Outputs control by timer	✓	✓	✗
Schedule outputs control by clock	✓	✗	✗
Ouputs control by scnerios using sensors	✓	✗	✗
Two relays inverse mode	✓	✗	✗
Z-Wave			
Platform	700	500	500
Multi frequency	✓	✗	✗
S0 security	✓	✗	✓
S2 security Unauthenticated	✓	✗	✓
S2 security Authenticated	✓	✗	✓
Smart Start	✓	✗	✓
OTA firmware update	✓	✓	✓
Relays state association groups	✓	✗	✗
Buttons state association groups	✓	✓	✓
LEDs state association groups	✓	✗	✗
Air temperature sensor association group	✓	✗	✗
Humidity sensor association group	✓	✗	✗
Light sensor association group	✓	✗	✗
Dimmers control by association groups	✓	✗	✓
Act as Z-Wave signal repeater	✓ with strong signal	✓	✓
Z-Wave Certification	Z-Wave Plus v2	✗	Z-Wave Plus
Warranty			
	3 years	1 year	2 years
Avarage Price in EU			
	€ 129.99	€ 99.99	€ 89.95

The comparision is based on Heltun reasearch and the actual functionality of devices may vary.

HELTUN HE-HLS01 High Load Switch (with thermostat functions)

Comparison Sheet

	HELTUN HE-HLS01	Fibaro FGS-212	Fibaro FGWPE-102	Qubino ZMNKID1
				
General				
Size, mm	50 x 50 x 26	42.5 x 38 x 20		42 x 37 x 17
Installation in junction box	✓	✓	✗	✓
Installation in circuit breaker panel	✓	✓	✗	✗
Power supply VAC	85 - 265	110 - 240	230	110 - 240
Power supply VDC	24 - 48	✗	✗	24 - 30
Max load	16A	10A	11A	10A
Zero-cross technology	✓	✗	✗	✗
2 in 1 device (thermostat + switch)	✓	✗	✗	✗
Sensors				
External NTC sensor input	✓	✗	✗	✓
NTC sensor range	1-100 kΩ	✗	✗	✗
External NTC sensor included in box	✓	✗	✗	✓
Energy consumption meter	✓	✗	✓	✓
Sensors report adjustable threshold	✓	✗	✓	✓
External control input	✓	✓	✗	✓
Push button to detect the plugged load	✗	✗	✓	✗
Functions				
Thermostat Operating modes	6	✗	✗	2
Thermostat Schedule mode	✓	✗	✗	✗
Temperature set interval	1.0° - 110.0°C	✗	✗	-15.0° - 100.0°C
Internal clock	✓	✗	✗	✗
Control of sockets	✓	✗	✓	✗
Auto On/Off when load connected/disconnected	✓	✗	✓	✗
High load connected time limit	✓	✗	✗	✗
Visual indicator of state	✗	✗	✓	✗
Outputs control				
Ttoggle switch (invert state)	✓	✓	✗	✓
Momentary switch	✓	✓	✗	✓
Momentary reversed switch	✓	✗	✗	✗
Switch On only	✓	✗	✗	✗
Switch Off only	✓	✗	✗	✗
Output control by external input	✓	✓	✗	✓
Output control by timer	✓	✓	✗	✗
Schedule output control by clock	✓	✗	✗	✗
Output NC/NO mode	✓	✗	✗	✓
Revert state after power failure	✗	✓	✓	✗
Protections & Notifications				
Over Heat protection & notification	✓	✗	✗	✗
Temperature Rise protection & notification	✓	✗	✗	✗
Over Current protection & notification	✓	✗	✗	✗
Over Load protection & notification	✓	✗	✓	✓
Over Voltage protection & notification	✓	✗	✗	✗
Voltage Drop protection & notification	✓	✗	✗	✗
Spark & Surge protection & notification	✓	✗	✗	✗
System Failure protection & notification	✓	✗	✗	✗
Load Issue detection & notification	✓	✗	✗	✗
Z-Wave				
Platform	700	300	500	500
Multi frequency	✓	✗	✗	✗
S0 security	✓	✗	✓	✓
S2 security Unauthenticated	✓	✗	✗	✓
S2 security Authenticated	✓	✗	✗	✓
Smart Start	✓	✗	✗	✓
OTA firmware update	✓	✓	✓	✗
Relay state association group	✓	✓	✓	✓
External input state association group	✓	✓	✗	✓
NTC temperature sensor association group	✓	✗	✗	✓
Dimmers control by association groups	✓	✓	✗	✗
React to alarm notifications received by association	✗	✓	✓	✗
Act as Z-Wave signal repeater	✓ with strong signal	✓	✓	✓
Z-Wave Certification	Z-Wave Plus v2	Z-Wave	Z-Wave Plus	Z-Wave Plus
Warranty				
	3 years	2 years	2 years	1 year
Avarage Price in EU				
	€ 74.99	€ 59.99	€ 64.99	€ 70.00

The comparision is based on Heltun reasearch and the actual functionality of devices may vary.

HELTUN HE-RS01 Relay Switch Quinto

Comparison Sheet

	HELTUN HE-RS01	Fibaro FGS-223	Aeotec ZW132	wiDom WDS2
				
General				
Size, mm	50 x 50 x 26	42.5 x 38 x 20	44.5 x 41 x 20	37 x 37 x 17
Installation in junction box	✓	✓	✓	✓
Installation in circuit breaker panel	✓	✓	✗	✗
Power supply VAC	85 - 265	100 - 240	120 - 240	110 - 230 ±10%
Power supply VDC	24 - 48	✗	24	✗
Load				
Channels	5	2	2	2
Max load per channel	5A	6.5A	6.5A	8A
Max total load	25A	10A	10A	10A
Zero-cross technology	✓	✗	✗	✓
NC/NO mode	✓	✗	✗	✗
Dry contact	✓	✗	✓	✗
Control of loads with different power source	✓	✗	✗	✗
Sensors				
Energy consumption meter	By software	✓	✓	✓
Meter report adjustable threshold	✓	✓	✓	✗
External control inputs	5	2	2	2
Touch panel input	✗	✗	✓	✗
Functions				
Triggering scenes by external input	✓	✓	✓	✗
Internal clock	✓	✗	✗	✗
Dimmers control	✓	✓	✗	✗
Motorized device control	✓	✓	✗	✓
Choosing of external input for each relay control	✓	✗	✗	✗
Outputs control				
Ttoggle switch (invert state)	✓	✓	✓	✓
Momentary switch	✓	✓	✓	✓
Momentary reversed switch	✓	✗	✗	✗
Switch On only	✓	✗	✗	✗
Switch Off only	✓	✗	✗	✗
Outputs control by timer	✓	✓	✓	✓
Schedule outputs control by clock	✓	✗	✗	✗
Two relays inverse mode (never both On)	✓	✗	✗	✓
Revert state after power failure	✗	✓	✓	✓
Protections & Notifications				
Over Heat protection & notification	✓	✓	✓	✗
Over Current protection & notification	✗	✓	✓	✗
Z-Wave				
Platform	700	500	500	500
Multi frequency	✓	✗	✗	✗
S0 security	✓	✓	✓	✓
S2 security Unauthenticated	✓	✗	✗	✓
S2 security Authenticated	✓	✗	✗	✓
Smart Start	✓	✗	✗	✗
OTA firmware update	✓	✓	✓	✓
Relays state association groups	✓	✗	✓	✗
External input state association group	✓	✓	✓	✓
Dimmers control by association groups	✓	✓	✗	✓
React to alarm notifications received by association	✗	✓	✗	✗
Act as Z-Wave signal repeater	✓ with strong signal	✓	✓	✓
Z-Wave Certification	Z-Wave Plus v2	Z-Wave Plus	Z-Wave Plus	✗
Warranty				
	3 years	2 years	1 year	1 year
Average Price in EU				
	€ 84.99	€ 59.99	€ 54.99	€ 59.99

The comparison is based on Heltun research and the actual functionality of devices may vary.