

EXPERT HTR - UNDERFLOOR HEATING SERIES

EXPERT HTR SERIES

24 V
230 V



5 YEAR WARRANTY

HTR230
Wired, electronic thermostat - daily

Supply	230 V AC 50 Hz	24 V AC 50 Hz
Rating Max	0.5 A	
Output	230 V AC 50 Hz	24 V AC 50 Hz
Temperature range	5 - 30°C	
Hysteresis	±0.5°C	
Dimension [mm]	85x85x25	

Wiring (230 V):

L	Live connection
N	Neutral
SL	Switched output
NSB	Night Set Back input
CO	HEAT / COOL changeover

Wiring (24 V):

L1	24 V AC 50 Hz power supply
L2	24 V AC 50 Hz power supply
SL	Switched output
NSB	Night Set Back output
CO	HEAT / COOL changeover

FEATURES:

- Noiseless switching
- PWM (Puls-Width-Modulation) - provides even more stable temperature in the room
- NSB function (night set back - SLAVE type thermostat)
- Auto HEAT / COOL changeover
- Cooling blocked function
- Compatible with KL08NSB or KL06-M (230 V)

* 24 V version available - compatible with KL06-M (24 V)

230 V



5 YEAR WARRANTY

HTRS230
Wired, digital thermostat - daily

Supply	230 V AC 50 Hz
Rating Max	0.5 A
Output	230 V AC 50 Hz
Temperature range	5 - 35°C
Temperature accuracy	0.5°C
Hysteresis	±0.25°C or ±0.5°C
Dimension [mm]	85x85x25

Wiring:

L	Live connection
N	Neutral
SL	Switched output
NSB	Night Set Back input
CO	HEAT / COOL changeover

FEATURES:

- Noiseless switching
- PWM (Puls-Width-Modulation) - provides even more stable temperature in the room
- NSB function (night set back - SLAVE type thermostat)
- Valve protection function
- Auto HEAT / COOL changeover
- Cooling blocked function
- Compatible with KL08NSB or KL06-M (230 V)

230 V



5 YEAR WARRANTY

HTRP230
Wired, digital thermostat - programmable

Supply	230 V AC 50 Hz
Rating Max	0.5 A
Output	230 V AC 50 Hz
Temperature range	5 - 35°C
Temperature accuracy	0.5°C
Hysteresis	±0.25°C or ±0.5°C
Dimension [mm]	85x85x25

Wiring:

L	Live connection
N	Neutral
SL	Switched output
NSB	Night Set Back output
CO	HEAT / COOL changeover
S1	External sensor (optional)
S2	

FEATURES:

- Noiseless switching
- PWM (Puls-Width-Modulation) - provides even more stable temperature in the room
- NSB function (night set back - MASTER type thermostat)
- Valve protection function
- Auto HEAT / COOL changeover
- External sensor options
- Cooling blocked function
- High/low temperature protection
- Compatible with KL08NSB or KL06-M (230 V)

NEW

230 V



5 YEAR WARRANTY

BTR230
Wired, electronic thermostat for mounting in a 55x55 mm frame - daily

Supply	230 V AC 50 Hz
Rating Max	0.5 A
Output	230 V AC 50 Hz
Temperature range	5 - 30°C
Hysteresis	±0.5°C
Dimension [mm]	71x71x53

Wiring:

L	Live connection
N	Neutral
SL	Switched output
NSB	Night Set Back input
CO	HEAT / COOL changeover

FEATURES:

- Flush-mounting in a 55x55 mm frame
- Noiseless switching
- LED status indication
- PWM (Puls-Width-Modulation) - provides even more stable temperature in the room
- VP function - ensures that the valves remain movable and functional even after long periods out of operation
- NSB function (night set back - SLAVE type thermostat)
- HEATING/COOLING modes switched via "CO" contact
- Cooling mode lock
- Thickness after mounting in the 60 mm wall box - 13 mm
- Compatible with KL08NSB or KL06-M (230 V)

NEW

5 YEAR WARRANTY

230 V



BTRP230
Wired, digital thermostat for mounting in a 55x55 mm frame - programmable

Supply	230 V AC 50 Hz
Rating Max	0.5 A
Output	230 V AC 50 Hz
Temperature range	5 - 35°C
Temperature accuracy	0.5°C
Hysteresis	±0.25°C or ±0.5°C
Dimension [mm]	71x71x46

Wiring:

L	Live connection
N	Neutral
SL	Switched output
NSB	Night Set Back output
CO	HEAT / COOL changeover
S1	External sensor (optional)
S2	

FEATURES:

- Flush-mounting in a 55x55 mm frame
- Noiseless switching
- PWM function - provides even more stable temperature in the room
- VP function - ensures that the valves remain movable and functional even after long periods out of operation
- Programmable thermostat
- Three adjustable temperatures - Comfort/Economy/Antifrost
- Schedule programming - 6 time intervals for a day
- NSB function (night set back - MASTER type thermostat)
- HEATING/COOLING modes switched via "CO" contact
- High/low temperature protection
- External sensor options
- Cooling mode lock
- Intuitive operation with touch panel
- Thickness after mounting in the 60 mm wall box - 13 mm
- Compatible with KL08NSB or KL06-M (230 V)

5 YEAR WARRANTY

230 V



VS30W/VS30B
Wired, digital thermostat - programmable

Programmable features:

- Weekly/Daily
- Night SetBack (NSB)
- PARTY mode
- HOLIDAY

Supply	230 V AC 50 Hz
Rating Max	3 A
Output	230 V AC 50 Hz
Temperature range	5 - 35°C
Temperature accuracy	0.5°C
Hysteresis	±0.25°C or ±0.5°C
Dimension [mm]	86x86x42

Wiring:

L	Live connection
N	Neutral
SL	Switched output
NSB	Night Set Back output
S1	External sensor (optional)
S2	

FEATURES:

- Three adjustable temperature levels
- PWM (Puls-Width-Modulation) - provides even more stable temperature in the room
- NSB function (night set back - MASTER type thermostat)
- Valve protection function
- Temporary and permanent override
- External sensor options
- HEAT / COOL mode
- Memory backup (settings don't need to be reset in the event of power loss)
- Frost protection
- Compatible with KL08NSB or KL06-M (230 V)
- Flush-mounting in 60 mm wall box

5 YEAR WARRANTY

230 V



VS35W/VS35B
Wired, digital thermostat - daily

Supply	230 V AC 50 Hz
Rating Max	3 A
Output	230 V AC 50 Hz
Temperature range	5 - 35°C
Temperature accuracy	0.5°C
Hysteresis	±0.25°C or ±0.5°C
Dimension [mm]	86x86x42

Wiring:

L	Live connection
N	Neutral
SL	Switched output
NSB	Night Set Back input
S1	External sensor (optional)
S2	

FEATURES:

- Three adjustable temperature levels
- PWM (Puls-Width-Modulation) - provides even more stable temperature in the room
- NSB function (night set back - SLAVE type thermostat)
- Valve protection function
- Temporary and permanent override
- External sensor input
- HEAT / COOL mode
- Memory backup (settings don't need to be reset in the event of power loss)
- Frost protection
- Compatible with KL08NSB or KL06-M (230 V)
- Flush-mounting in 60 mm wall box

5 YEAR WARRANTY

230 V



KL08NSB
Wiring centre (8x UFH zones), wired communication

This wiring centre connects your thermostats and thermal actuators. It has integrated volt-free switching for UFH pump and boiler if required.

Supply	230 V AC 50 Hz
Rating Max	3 A
Inputs	External clock (230 V)
Outputs	Pump (NO/COM) Boiler (NO/COM) UFH thermal actuators (230 V)
Dimension [mm]	355x85x67

FEATURES:

- Volt-free pump connection
- Optional volt-free boiler connection
- Can be used with NO or NC thermal actuators
- Plug-in connections
- LED status indication
- External clock function
- NSB function
- Grouping
- Up to 4 actuators in each zone
- Fuse protection
- Can be mounted on 35 mm DIN rail

5 YEAR WARRANTY

230 V



KL04NSB
Wiring centre extension for KL08NSB (4x UFH zones)

This easy-to-connect extension adds four zones to the KL08NSB wiring centre to make 12 zones.

Dimension [mm]	163x83x67
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EXPERT NSB SERIES

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