

Series HT 43



Electronic compact controller

The temperature controller HT 43 is a universal controller for machine building, plant and apparatus construction due to its compact design.

During the design of this device, special attention was paid to simple and clear operation.

The controllers are set in the factory and cannot be reprogrammed.

The non-contact switch capacity is 2300 Watts.

All heating hoses in the standard ranges have a 6+PE-pin plug that fits precisely to this controller.

Power supply:	230 Volt AC / 50 Hz or 24 V DC
Noise immunity:	EN 50 082-2
Emitted interference:	EN 50 081-1
Sensor types:	Fe-CuNi (J), NiCr-Ni (K) with reference point compensation and sensor breakage safeguard, sensor polarity reversal control PT 100, 2 conductors DIN/IEC
Fault limit:	0.1% - 0.2% of the range
Controller outputs:	electrical switch (control) (10 A), alarm output relais 6 A (s. HT 41 / 42), limit compensation Y3, ± 10 K of rated value, Alarm output limit contact set at max. temperature range, Y2
Controller response:	P-PID
Display current / rated value:	four digit LED-display (13 mm)
Deviation display:	7 LED $\pm 12^\circ\text{C}$ flashes
Operation:	Film keypad, 4 pushbuttons
Housing:	Makrolon
Housing dimensions:	148 x 90 mm
Assembly area:	160 x 100 mm
Fastening:	4 bores for bolt M4
Protection grade:	IP 65 (EN 60529)
Protection class:	II
Cable inputs / outputs:	6+PE-pin socket, Mains connection cable 1.2 m 1 x PG 7 for signal outputs

Setting at works:					
Sensor type: Pt 100		Sensor type: Fe-CuNi		Sensor type: NiCr-Ni	
	Control range		Control range		Control range
HT 43 – 10P	0 – 100 °C	HT 43 – 10F	0 – 100 °C	HT 43 – 10N	0 – 100 °C
HT 43 – 20P	0 – 200 °C	HT 43 – 20F	0 – 200 °C	HT 43 – 20N	0 – 200 °C
HT 43 – 25P	0 – 250 °C	HT 43 – 25F	0 – 250 °C	HT 43 – 25N	0 – 250 °C
HT 43 – 50P	0 – 500 °C	HT 43 – 50F	0 – 500 °C	HT 43 – 50N	0 – 500 °C
		HT 43 – 100F	0 – 999 °C	HT 43 – 100N	0 – 999 °C