

Series HT 52

Self-programmable microprocessor controller 96 x 96



Maximum protection of high-capacity heaters is achieved through the start-up circuit and subsequent drying phase. Practical functions such as self-optimisation, heating circuit control, setting acceptance where there is a sensor breakage, etc., characterise these controllers to give your equipment and machines maximum safety and reliability as well as helping to lower your production costs or those of your customers.

The electronic controller HT 52 is also available in the dimensions 96 x 48.

Operating temperature:	-15°C to +50°C
Power supply:	230 Volt AC / 50 Hz or 24 Volt DC
Noise immunity:	EN 50 082-2
Emitted interference:	EN 50 081-1
Sensor type:	Fe-CuNi (L, J), NiCr-Ni (K), PT 100 DIN/IEC
Sensor breakage safeguard:	X > W or X < W, sensor polarity reversal control, sensor short-circuit control
Fault limit:	0.1% - 0.2% of the range
Actual / rated value:	4-digit LED-display (13 mm)
Display / measurement range:	-199 up to +999 digits
Deviations:	3°C-steps, 7 LEDs, Variation display for > ±12°C
Controller outputs:	Actuation conditions displayed on 3 LEDs
Controller output 1:	6 A / 230 Volt, actuating output: as a two-point controller relay configuration (factory setting) the heating or cooling (cutout) is connected; as a two-point controller logic configuration (selectable), it has an alarm function, with the setting being input via output 3 (logic)
Controller output 2:	6 A / 230 V, Relay output, in two-point configuration as an alarm output, in three-point configuration as a cooling output
Controller output 3:	Analog signals 0 to 20 mA for actual value, rated value or setting of the continuous controller; logic level 0 / 6 V (SSR relay) for alarm functions or the setting of the two/three-point controller
Optional:	Serial interface RS 232 or RS 485, pluggable load feeders up to 25 A, also three-phase
Special functions:	self-optimizing during control or during run-up, operating hour meter, start-up ramp
Housing material:	Noryl, glass-fibre reinforced
Protection grade:	IP 54 (EN 60529) Front panel IP 10 (EN 60529) Housing
Front dimensions:	96 x 96 mm according DIN 43 700
Control panel cutout:	app. 92 x 92 mm
Installation depth:	app. 85 mm
Connections:	Screw terminals
Storing temperature:	-25°C to +75°C
Weight:	app. 250 g
Operation:	Parameter assignment and configuration using four pushbuttons