

Series HT 55

The self-optimizing compact dual controller

HT 55 is a universal controller for machine, system and equipment engineering thanks to its configurability and compact construction. When designing this device, special value was attached to simple and clear handling. Easy mounting on normed rails and the removable connectors (plug blocks) also guarantee operations in difficult installation conditions.



HT 55



HT 55 H

Power supply:	230 Volt AC / 50 Hz or 24 Volt DC 115 Volt AC / 50 - 60 Hz optional
Noise immunity:	EN 50 082-2
Emitted interference:	EN 50 081-1
Sensor type:	Fe-CuNi (J), NiCr-Ni (K), PT 100 DIN/IEC, Sensor breakage safeguard, sensor polarity reversal control, sensor short-circuit control
Fault limit:	1.0% of relative temperature
Actual / rated value:	3-digit LED-display (13 mm) scan-operation between channel 1 and 2
Display / measurement range:	-199 up to +999 digits
Controller output A:	via 2 internal Triacs, max. power 1200 W both channels together
Controller output B:	via 2 mechanical switching relays 16 A, switching power 2 x 1500 W at 230 V AC
Controller output C:	2 x 12 V DC to trigger Solid State Relays for switching high powers
Configuration:	as double-controller, each channel separately configured as Safeguard, one channel surveying the other as controller / limiter
Special functions:	Self-optimizing of controller parameters, easy adaption to respective environment Safety operation mode by connecting the relays before the Triac control to switch off on false alarm Setting limits and setting correction adjustable Fastening on 35 x 7.5 mm carrier rail per DIN 50022
Optional:	2 independent 4 - 20 mA inputs for external setting of both channels; equipped with multipole sockets matching our complete heating system
Protection grade:	IP 40, with housing IP 65
Protection class:	I without housing, II with housing
Measurements:	72 x 70 x 90 mm (H x W x D)
Connections:	Pluggable connectors
Operation:	Parameter assignment and configuration using four pushbuttons