

Touch Room Unit HZS 351



The HZS 351 is an intelligent terminal for programming and visualization of automated processes. As a room-operating device, the terminal is equipped with temperature sensor. A resistive touch screen serves as the input medium for process data and parameters. The output is shown on a 3.5" TFT color display. To save energy, the display is deactivated in sleep mode. When the screen surface is touched, the terminal is activated and then deactivated a few minutes after the last input. With the LSE mask editor, graphics can be created on the PC, then stored and displayed on the terminal. Data is exchanged over a CAN bus. The two-part HZS 351 is mounted on the wall in a flush-mounted box or mounted in a panel via the screw bosses in the corner of the operating terminal.

Performance Data

SDRAM	8-Mbyte
Flash	1-Mbyte
Interfaces	1x CAN bus (fixed terminal strip)
Terminating resistor	120 Ω settable with DIP-Switch
Data rate	maximum 1 Mbit/s
Display Resolution	3.5" TFT color display 320 x 240 Pixel
Control panel	4-wire touch screen (analog resistive)

Temperature and Humidity Sensor

Number	1
Resolution	12-bit
Temperature resolution	0.1 °C
Accuracy	±0.5 °C
Temperature measurement range	0 ... +50 °C
Humidity resolution	0.1 % RH
Humidity measurement accuracy	±3 % RH
Humidity measurement range	10-80 % RH (non-condensing)

Electrical Requirements

Supply voltage	230 V AC ±10 %, 50 Hz	
Current consumption	typically 15 mA	maximum 25 mA

Terminal

Operating unit dimensions	93.3 mm x 93.3 mm x 12.1 mm (W x H x D)	
Installation depth of supply in a flush-mounted box.	44 mm (installation of supply in flush-mounted box D = 65 mm) in accordance with ÖNORM E8606-1	
Installation measurements with panel mounting	52 mm x 52 mm x 44 mm (W x H x D) Corner hole clearance 81.3	
Material	plastic color: RAL9010	
Weight	circa 220 g	

Environmental Conditions

Storage temperature	-10 ... +70 °C	
Operating temperature	0 ... +55 °C	
Humidity	10-80 %, non-condensing	
EMV product norm	EN 60730-1	
EMC stability	in accordance with EN 61000-6-2 (industrial area)	
EMC stability	according to EN 61000-6-3 (living area)	
Protection type	EN 60529	
	Supply unit installed in flush-mounted box	IP20
	Complete unit installed	IP30
	Mounting in a panel	IP30

Display

Type	3.5" LC graphic display
Resolution	320(RGB) x 240
Pixel size	0.219 x 0.219 mm
Number of pixels	320*3 (RGB) x 240 pixels
Active surface	70.08 mm x 52.56 mm
Color depth	24 bits
Backlighting	6x LED, white, regulatable
Contrast	400:1
Touch	resistive
Brightness	typically 350 cd/m²
Visible field	left and right 70°, below 70°, above 60°

Article Number and Miscellaneous

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