

Microprocessor temperature controller, mainly used in mobile telephony relay stations

- Pt100 thermoresistance input
- TS35 DIN rail mounting, IP20
- designed for fixed value control
- 3 relay outputs - ON/OFF with hysteresis
- LED digital readout
- LED signaling of relay status
- password-protected access to configuration parameters
- programming from a 5-button foil keyboard
- software digital filtering
- high resistance to interference in industrial environments



### TECHNICAL DATA

#### Pt100 input (3- or 2-wire)

- measurement range ..... -99.9÷200.0°C
- range of threshold (alarm) settings ..... -99.9÷200.0°C
- hysteresis (fixed) ..... 2.0°C

#### LED digital readout (4 digits)

- digit height ..... 14 mm
- display resolution ..... 0,1 °C

**Accuracy** ..... 0,1 % of measurement range ±1 digit

**Relay outputs** ..... SPST, 8A/250V~ (for resistive load)

#### Signaling

- detected errors ..... messages on the display
- switching on the P1 threshold relay ..... LED 1 diode, green, continuous light
- switching on the P2 threshold relay ..... LED 2 diode, green, blinking light
- switching on the P3 threshold relay ..... LED 3 diode, green, blinking light

**Enclosure** ..... MODULBOX 4MH53

- dimensions ..... 71 x 90 x 58 mm
- installation ..... TS35 rail

#### Power supply

- low voltage ..... 24V= (18÷72V=)
- power consumption ..... < 2,5 VA

**Operating temperature range** ..... 0 ÷ 50 °C

**IP protection** ..... IP20

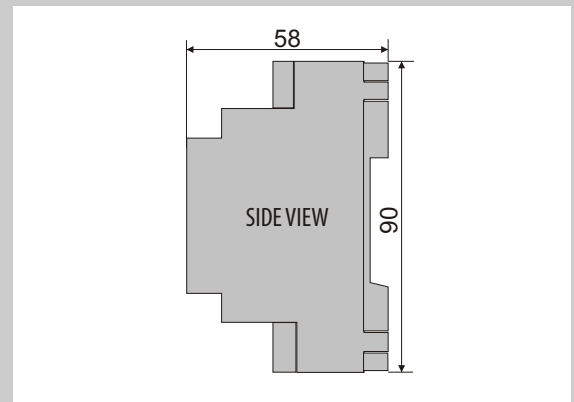
**Warming up after power on** ..... 15 minutes

### Ordering procedure

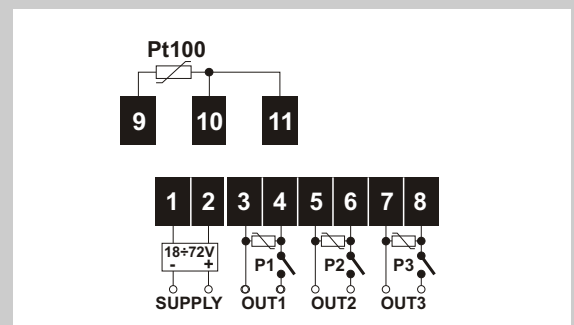
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### INSTALLATION DATA

DIN rail housing..... MODULBOX 4MH53  
 Material..... NORYL UL 94V-0  
 Enclosure dimensions..... 71 x 90 x 58 mm  
 Mounting..... TS35 rail



### TERMINAL STRIPS, ELECTRICAL CONNECTION



#### Pt100 input:

- 3-wire to 9-10-11 strips
- 2-wire to 9-10 strips, clamp to 10-11 strips

Power supply - to 1-2 strips

#### Relay outputs:

- P1 to 3-4 strips
- P2 to 5-6 strips
- P3 to 7-8 strips