

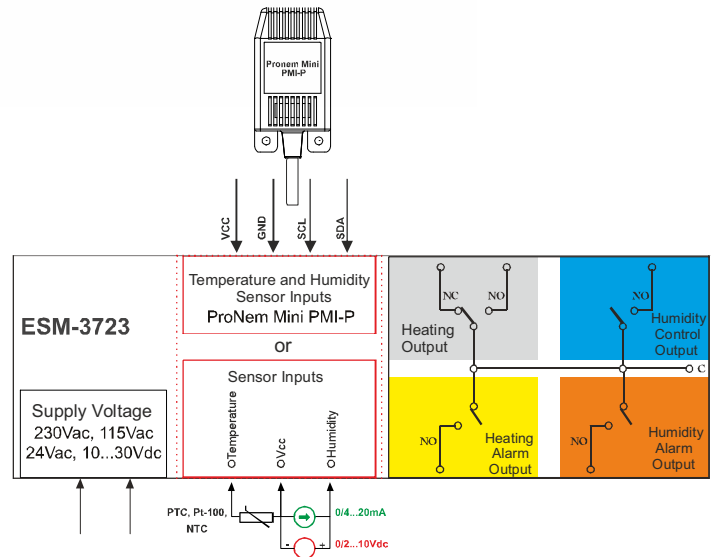


Dual SET
PID Process Control

ESM-3723



- 4 Digit Temperature and 4 Digit Humidity Display
- Temperature Sensor Input
(NTC, PTC, PT-100 or ProHumidity Mini PMI-D)
(It must be determined in order.)
- Humidity Sensor Input
(0/2..10V, 0/4...20mA or ProHumidity Mini PMI-D)
(It must be determined in order.)
- 4 Output
 - Heating Control Output
 - Heating Alarm Output
 - Humidity Control Output
 - Humidity Alarm Output
- PID or ON / OFF Selectable Temperature Control
- Auto-Tune PID
- Set Value Boundaries
- Alarm parameters and alarm status can be adjusted
according to the audible alert (internal buzzer functions for alarm conditions)
- Password Protection for Programming Section



Technical Specifications

Input

ProNem Mini PMI-P Temperature + Humidity Sensor

Temperature Input: PTC (1KOhm @25°C), NTC (10KOhm @25°C), Pt-100

Humidity Control Input: 0/4...20mAdc, 0/2...10Vdc

Output

Heating Control: Relay (5A@250Vac "at resistive load") or
SSR Driver Output (Maximum 20mA@12Vdc)

Temperature Alarm Control: Relay (3A@250Vac "at resistive load")

Humidity Control: Relay (3A@250Vac "at resistive load")

Humidity Alarm Control: Relay (3A@250Vac "at resistive load")

Measuring range

0°C...100°C (PTC, NTC, Pt-100),

-50°C...400°C (Pt-100),

-20°...80°C (ProNem Mini PMI-P)

Accuracy: ±1% of scale

Sensor Break Protection: Upscale

Sampling Cycle: 3 samples per second

Control form: ON/OFF, PID

Supply Voltage

230Vac (±%15) 50/60Hz -1,5VA

115Vac (±%15) 50/60Hz -1,5VA

24Vac (±%15) 50/60Hz -1,5VA

10...30Vdc -1,5VA

Environmental conditions and physical properties

Working temperature: 0...50°C

Humidity: %0-90 RH (non-condensing)

Dimensions: 76 x 34.5 mm, Depth: 71 mm