PR-2P3D

VM658200



[Model variant]

Digital panel regulator (33x75) suitable for pressure regulation. The device can be connected to linear sensors.

General features

- Parameter setting in digital mode:
  - Set-point
  - Differential
  - Neutral zone
  - Output actuation times
  - Function and digital input delay time
  - Alarm delay time / Buzzer enable
  - Probe calibration OFFSET
  - Display resolution
  - Measurement display filter (refresh rate)
  - Probe input type
  - Password
- Modes of operation (adjustment)
  - ON/OFF Direct and/or Reverse action with or without Neutral Zone
  - PWM Direct, Reverse action with or without Neutral Zone
  - ALARM
  - Special mode
- 2 independent setpoints
- Digital input with configurable function:
  - external alarm
  - ON/OFF controller
  - set-point switching
  - direct/Reverse switching
- Acoustic and visual alarm signalling for:
  - external alarm (digital input)
  - probe alarm (malfunction)
  - minimum or maximum alarm

Technical specifications

Power supply	
Power supply	12 ÷ 24 Vac/Vdc (-10% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	3 VA

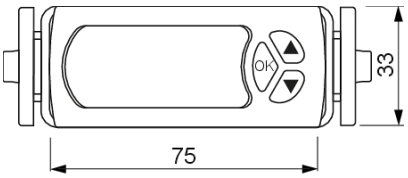
Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Measure	
Pressure display resolution	0.1 bar (for values in the range -9.9 ÷ 99.9 bar) 1 bar (for <-9,9 bar and > 99.9 bar)
Pressure measurement accuracy	± 0.5 % of full scale value ± 1 digit
Functions	
Keypad lock function	✓
Probe alarm buzzer	✓
Functional characteristics	
Pressure display range	-99 ÷ 999 bar
Operating conditions	
Operating temperature range	0 ÷ 50 °C
Relative humidity	< 80% RH
Storage temperature range	-25 ÷ 70 °C
Storage humidity range	< 80% RH
Viewing	
Display	Red LEDs
Digits number	3
Display range	-99 ÷ 999 bar
Inputs	
Digital input	✓
No. digital inputs	1
Auxiliary input features	Configurable
Number of connectable probes	1
Type of connectable probes	Linear sensors (output 0-20 mA, 4-20 mA, 0-1 V)
Outputs	
Relay number	2
Relay type	Heat exchange
Relay capacity at 250 Vac	8 A
Probe power supply	9 Vdc (max 30 mA)
Mechanical features	
Protection degree	IP54 (on the front) IP20 (on terminals)
Overall dimensions	
Height (A)	33 mm
Width (B)	75 mm
Depth (C)	81 mm

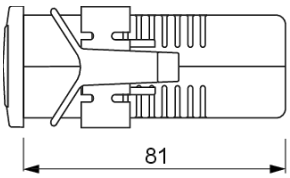
Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Dimensions

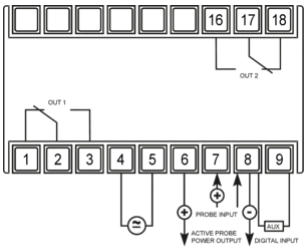
Front View



Side View



Wiring diagram

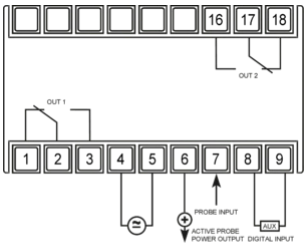


Probe input:

- 0÷1 V
- 4÷20 mA
- 0÷20 mA

Active probe output power:

- 9 Vdc max 30 mA

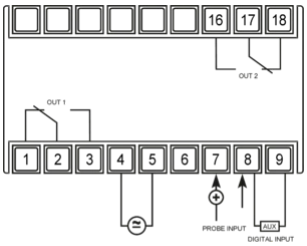


Probe input:

- 0÷1 V
- 4÷20 mA
- 0÷20 mA

Active probe output power:

- 9 Vdc max 30 mA



Probe input:

- 0÷1 V
- 4÷20 mA
- 0÷20 mA

Product variants

PR-1P3D

VM656600

Digital panel controller (33×75) connectable with linear sensors, 12 ÷ 24 Vac/Vdc, digital input, and 1 relay

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Accessories compatible with the product

SPK-10

VN871000

Pressure probe providing a current signal proportional to measured pressure, 1.5 m length, working range -0.5 ÷ 7 bar

SPK-30

VN872800

Pressure probe providing a current signal proportional to measured pressure, 1.5 m length, working range 0 ÷ 30 bar

TM3 230/12

VE256400

Transformer with 230 Vac terminals, 3 VA power and 12 V secondary voltage

TM3 115/12

VE257200

Transformer with 115 Vac terminals, 3 VA power and 12 V secondary voltage

TM3 230/24

VE258000

Transformer with 230 Vac terminals, 3 VA power and 24 V secondary voltage

TM3 115/24

VE259800

Transformer with 115 Vac terminals, 3 VA power and 24 V secondary voltage

TM6 230/12

VE260600

Transformer with 230 Vac terminals, 6 VA power and 12 V secondary voltage

TM6 230/24

VE261400

Transformer with 230 Vac terminals, 6 VA power and 24 V secondary voltage

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 60730-1 • EN IEC 63000

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.