



# ELAP VD4

## MICROPROCESSOR

## DIGITAL

## READOUTS

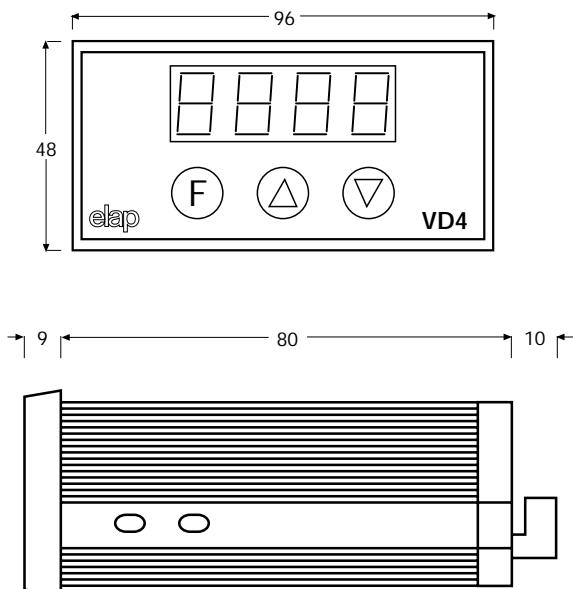
VD4 microprocessor panel readouts can read either analogue or digital signals. The following versions are available:

- Vcc** One voltage input channel. Input range:  $\pm 2$  Vdc,  $\pm 20$  Vdc,  $\pm 200$  Vdc
- Vcc2R** One voltage input channel and 2 relay outputs
- Lq** Input by potentiometer with resistance  $1 \div 20$  KOhm
- Lq2R** Input by potentiometer and 2 relay outputs
- Icc** One direct current input channel. Input range  $\pm 20$ mA,  $\pm 200$ mA,  $\pm 2$ A (Configured at factory)
- Icc2R** One direct current input channel and 2 relay outputs
- Ica2R** One alternate current input channel. Input range: 2A. 2 relay outputs
- F** Tachometer with digital input. Max Frequency 10 KHz

To allow the best visibility in any environmental condition, the values of the process variable are displayed on four 12.7 mm 7-segment red displays. The readout versions named with suffix 2R have two comparing alarms on the displayed variable. Each of them can be configured for  $\geq$  or  $\leq$  and for excitation type: steady or pulse one with settable time.

The polyester flat keypad is used to enter the presets and the instrument set-up. The user friendly interface simplifies the daily use of the instrument, as well as the installing operation. A password protects the set-up phase from accidental accesses. Thanks to the excellent price/performance rate featuring this instrument series, VD4 readouts can be used for all those applications where visualization and control must be performed at a contained price level. **Complying with CE standard.**

### DIMENSIONS



PANEL CUT OFF 91x44 mm

### TECHNICAL SPECIFICATIONS

- Supply 24Vca or 115/230Vca  $\pm 10\%$  50/60 Hz  
12Vcc/24Vdc.
  - Power requirement 4 VA max (version 24 / 115 / 230Vac)  
2,5 Watt (version 12Vdc)  
5 Watt (version 24Vdc)
  - Display type 4 digit 7-segment LED display 12.7 mm high
  - Data and preset saving on FLASH memory
  - Display range\* -9999 / 9999
  - Number of decimals 0, 1, 2 or 3, settable
  - Working temperature  $0 \div 45$  °C
  - Input reading resolution 4000 steps
  - Accuracy 0,2% of the input range
  - Conversions per second 140
  - Relay contacts type Normally open 3A, 250Vac
  - Output delay\* 35 ms
  - Output delay\*\* tachometer time base + 20ms
  - Front case protection degree IP54
  - Digital input\*\* monodirectional, electronic type PNP or PUSH-PULL
  - Transducer supply\*\* 12Vdc, 60mA max
  - Display range\*\* 0-9999
- \* Except for type F \*\* For type F only

### APPLICATION FIELDS

Visualizers are commonly employed for different purposes. The following list includes the most widespread applications:

- Pressure indicator.
- Sample items control.
- Sanding machine.
- Metal forming machines.
- Glass/marble working.
- Tachometer.

VARIATIONS ADMITTED WITHOUT NOTICE

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