



ELAP VD4

MICROPROCESSOR

DIGITAL

READOUTS

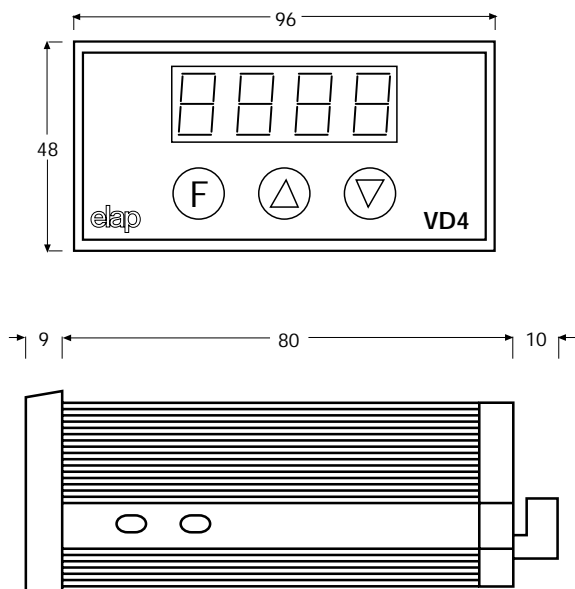
VD4 microprocessor panel readouts can read either analogue or digital signals. The following versions are available:

- Vcc** One voltage input channel. Input range: ± 2 Vdc, ± 20 Vdc, ± 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 ± 20 mA, ± 200 mA, ± 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** monidirectional, 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.

elap

Nordic Transducer - Also Odde - DK9560 Hadsund Denmark Tel.: (+45) 98581444
Fax (+45) 98581866 - E-MAIL: ntt@ntt.dk - URL www.ntt.dk

VARIATIONS ADMITTED WITHOUT NOTICE

10/03