



# ELAP VD4

## MICROPROCESSOR

## DIGITAL

## READOUTS

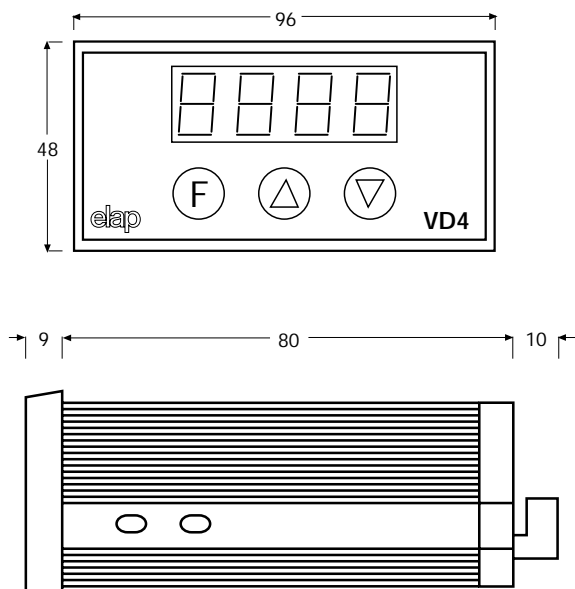
VD4 microprocessor panel readouts can read either analogue or digital signals. The following versions are available:

<b>Vcc</b>	One voltage input channel. Input range: $\pm 2$ Vdc, $\pm 20$ Vdc, $\pm 200$ Vdc
<b>Vcc2R</b>	One voltage input channel and 2 relay outputs
<b>Lq</b>	Input by potentiometer with resistance $1 \div 20$ KOhm
<b>Lq2R</b>	Input by potentiometer and 2 relay outputs
<b>Icc</b>	One direct current input channel. Input range $\pm 20$ mA, $\pm 200$ mA, $\pm 2$ A (Configured at factory)
<b>Icc2R</b>	One direct current input channel and 2 relay outputs
<b>Ica2R</b>	One alternate current input channel. Input range: 2A. 2 relay outputs
<b>F</b>	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.

**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