

DCDZ31482, DCDZ31488, DCDZ31489

Universal Monitors for Speed,
Standstill, Direction of Rotation



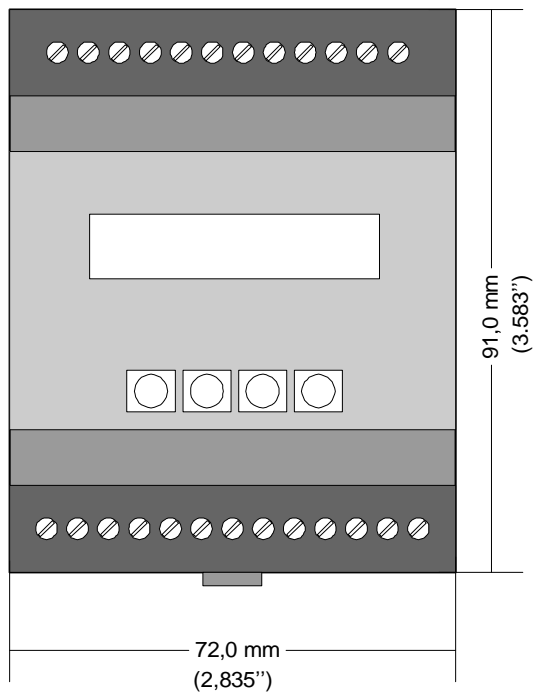
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| DCDZ31482: | Monitor with 3 programmable output relays and analogue output |
| DCDZ31488: | Signal converter with analogue output only (no relays) |
| DCDZ31489: | Monitor with 3 programmable output relays only (no analogue output) |

- Compact and most versatile monitor series for control of overspeed, underspeed, standstill and direction of rotation
- Logical monitoring of remote motion enable signals
- Universal inputs for connection to incremental encoders (TTL, RS422 or HTL), Proximity switches, photocells remote TTL signals
- Extremely wide frequency range, operating from 0.1 Hz up to 1 MHz
- Easy setup by means of four keys and LCD menu
- All models include serial RS232 interface

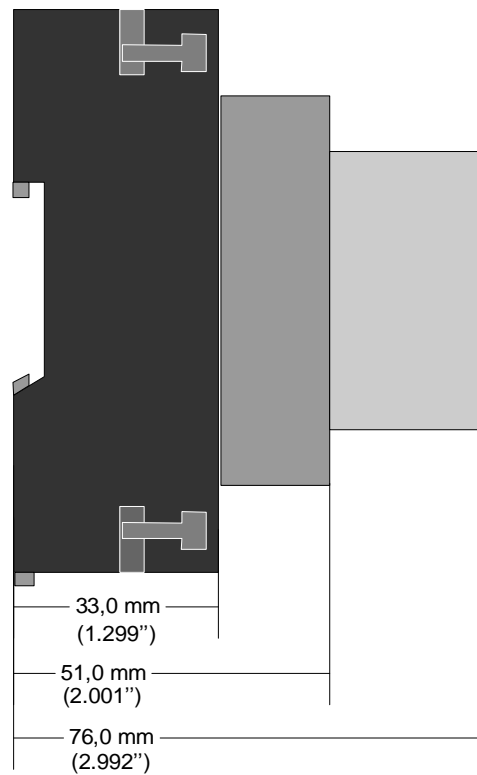
1. Specifications and Dimensions

Power supply	:	17 VDC - 30 VDC
Current consumption	:	approx. 70mA with 24 VDC
Aux. output for encoder supply	:	5.2V max. 200mA
Inputs Control 1 / 2	:	Ri = 3,9 kOhms, LOW < 2,5V, HIGH > 10V minimum duration of dynamic signals: 50 µsec. minimum duration of static signals: 2 msec.
Encoder inputs	:	RS422, differential voltage > 1 V TTL, LOW < 0.5 V, HIGH > 3 V HTL (NPN / PNP) Ri = 4,75 k, LOW < 4V / HIGH > 10V
Input frequency	:	RS422 und TTL differential: 1 MHz HTL und TTL single-ended: 350 kHz
Analogue output (not with DCDZ31489)	:	+/- 10V, max. 2 mA 0 – 20 mA, 4 – 20 mA (load: max 270 Ohm) Resolution 14 bits, accuracy 0.1% Settling time approx. 200us Step response = 2 x sampling time + 200us
Relays (not with DCDZ31488)	:	Dry change-over contacts, switching capability 30V / 2A DC or 125V / 0.6A AC or 230V / 0.3A AC Response time approx. 4 msec.
Serial interface	:	RS232 / 2400-38400 Bauds
Ambient temperature	:	Operation: 0 - 45°C (32 - 113°F) Storage: -25 - +70°C (-13 - 158°F)
Housing	:	Plastic housing, suitable for mounting to standard DIN rails (35 mm)
Display	:	LCD with backlight 2 lines at 16 characters, 3,5 mm size
Protection class	:	IP20
Connections	:	25 position screw terminals for cross sections of max. 1.5 mm² (0.0023 in²)
Conformity and Standards	:	EMC2004/108/EC: EN 61000-6-2 EN 61000-6-3 LV2006/95/EC: EN 61010-1

Dimensions:



Front view



Side view