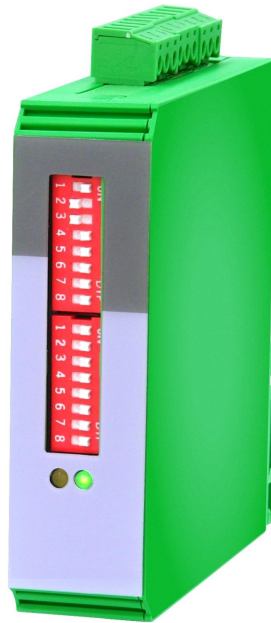


DKDZ31432

Monitor for Direction of Rotation and Standstill



- Simple and compact unit to monitor forward motion, reverse motion and zero motion
- Universal impulse inputs for use with all common incremental encoders and sensors (HTL, RS422 or TTL)
- Two output relays (dry change-over contacts) as well as two fast-responding power transistor outputs
- Wide input frequency range (up to 500 kHz) and fast response time (<1 msec. with $f > 1$ kHz)

1. Technical Specifications

Power supply	:	17 - 30 V DC
Current consumption (Aux. output unloaded)	:	ca. 30 mA
Auxiliary output	:	5.4 V, max. 200 mA
Maximum input frequency	:	500 kHz (RS422 and TTL-differential) 350 kHz (HTL and TTL single-ended)
Impulse inputs	:	A, /A, B, /B, versatile, for use with RS422 signals HTL signals (differential, single-ended, PNP, NPN) TTL signals (differential, single-ended, PNP, NPN)
Input levels	:	RS422: voltage difference ≥ 1 V HTL: LOW < 4 V, HIGH > 9 V TTL: LOW $< 0,5$ V, HIGH $> 2,5$ V
Input Impedance	:	NPN and PNP: 4.7 kOhms Tristate: 10 kOhms
Relays	:	Dry change-over, switching delay approx. 5 msec. Switching capability: 30 VDC/2A or 125 VAC/0,6A or 230 VAC/0,3 A
Transistor outputs	:	High-side driver, switching delay 200 μ sec. Switching voltage: 7 - 30 VDC Switching current: max. 350 mA 100% short circuit proof (not both outputs at a time for a long period)
Ambient temperature	:	Operation: 0° - 45°C (32° - 113° F) Storage: , -25° - +70°C (-13° - 158° F)
Weight	:	approx. 100 g
Conformity and standards	:	EMC 89/336/EEC: EN 61000-6-2 EN 61000-6-3 LV73/23/EEC: EN 61010-1

2. Dimensions

