

/// Plug-in voltage monitoring railway relay with 4 C/O contacts

Rugged plug-in relays for extreme reliability, within long endurance applications and harsh environments

MTDV4-U200

Voltage monitoring, timer delay-on/off relay
Part of D-platform



Description

Plug-in electronic voltage monitoring relay with optional delay-on and delay-off timer function and four change-over contacts. The delay time is adjustable with a lockable knob (either delay-on or delay-off, the other delay is fixed). The relay can also be supplied with fixed time delays (no knob). The pull-in voltage (U_{on}) and drop-out voltage (U_{off}) are both adjustable via internal screws. The relay can also be supplied with a fixed pull-in and drop-out voltage. Suitable for monitoring DC voltages.

The MTDV4-U200 offers a very small hysteresis (difference between pull-in and drop-out voltage). The relay is equipped with a LED which indicates the status of the relay contacts and activation of the time delay. Delay-off function for voltage drop up to 50% of minimum pull-in voltage, no auxiliary supply necessary.

Standard equipped with magnetic arc blow-out for high breaking capacity and long contact life.

The construction of the relay and choice of materials makes the MTDV4-U200 relay suitable to withstand low and high temperatures, shock & vibrating and dry to humid environments. No external retaining clip needed as integrated 'snap-lock' will hold relay into socket under all circumstances and mounting directions.

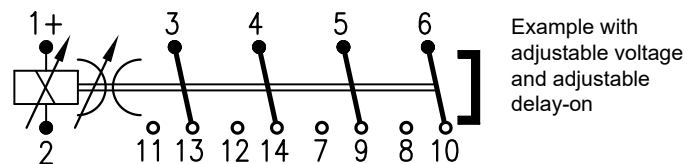
Application

These relays are designed for demanding rolling stock applications. The MTDV4-U200 is used in applications for voltage monitoring with or without time delay(s).

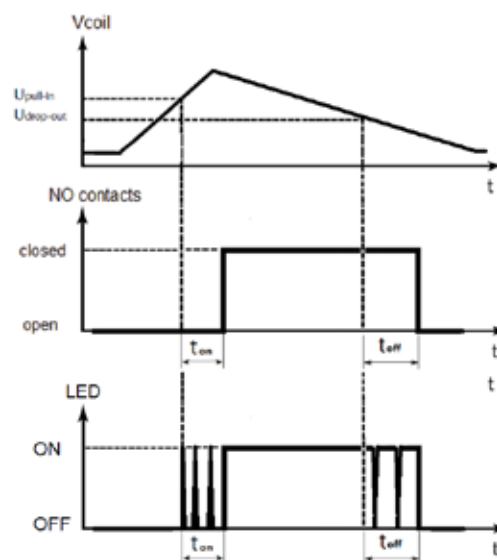
Features

- DC voltage monitoring relay with time delay
- Compact plug-in design
- 4 C/O contacts
- Drop-out and pull-in voltage adjustable via internal screws
- Also available with fixed pull-in and drop-out voltage (no internal screws)
- Very small hysteresis possible
- Time delay on pull-in and/or drop-out
- 1 delay time adjustable with a lockable knob, other delay time fixed
- Also available with fixed time delays (no knob)
- Time delay range: 0...60 s
- No auxiliary supply necessary
- 1 LED for status indication
- Flat, square and silver plated relay pins for excellent socket connection
- Integrated snap lock
- Optional positive mechanical keying relay to socket

Connection diagram



Timing diagram



Railway compliancy

EN 50155	IEC 60947	EN 45545-2
IEC 60571	IEC 61373	NF F16-101/102
IEC 60077	EN 50121	NF F 62.002

