

Large display timer / cycle counter (57/101 mm) LDT



- 6-digit, red 57 mm or 101 mm high 7-segment LED display
- Timer/ cycle counter
- Relay output and serial interface
- Simple programming on the device via the front buttons
- Lightweight all-round aluminum housing
- High protection class IP65
- Universal AC/DC power supply unit
- 24 VDC sensor supply

<https://www.wachendorff-prozesstechnik.de/en/LDT>

Description

The large industrial display LDT can be used as a simple timer, time relay and cycle counter. Equipped with a relay output and serial interface, the display can be used very flexibly and solves a wide variety of applications. The 6-digit display can be read in 57 mm or 101 mm high digits up to 50 m. The 8 different operating modes and the high resolution of up to 0.001 second allow a wide variety of measuring tasks to be solved. The lightweight all-round IP65 housing allows use even in harsh industrial environments. The device is configured quickly and safely via 3 buttons.

Product details

Display (dimable):	57 mm or 101 mm high red LED, Timer: 6-digit in a range from 0 to 999999 and overflow indicator; maximum resolution: 0.001 second, minimum resolution: 1 hour, accuracy: +/-0.01 %. Cycle counter: 5-digit in a range from 0 to 99999 with overflow indicator; maximum counting frequency: 500 Hz
Timer inputs:	NPN, PNP sensors, CMOS, TTL and potential-free contacts are accepted. Setting via DIP switch. Damping adjustable to approx. 50 Hz (against contact bounce). Input pulse width : 1ms min. Response time timer start/stop : 1ms max.
Buttons:	The device is programmed and operated using the 3 push buttons on the front.
User input:	Reset/USER INPUT: Pull-up resistor adjustable via DIP switch (7.8 kOhm) or pull-down resistor (3.9 kOhm) for setting the logic: High active or Low active. Response time: 5 msec. typical, (on/off: 50 msec.) Programmable function.
Relay output:	Form C changeover relay, 5 A at 120/240 VAC
Serial interface:	RS485: 300 to 38400 baud, address 0 to 99, multipoint RS232: 300 to 38400 baud, half-duplex

Power supply:	AC supply: 50 to 250 VAC 50/60 Hz, 26 VA; DC supply: 21.6 to 250 VDC, 11 W max
Sensor supply:	+24 VDC, max. 100 mA with supply voltage >50 VAC/VDC +24 VDC, max. 50 mA for supply voltage <50 VAC/VDC
Protection class:	IP 65 all round.
Housing:	Black lacquered aluminum housing with mounting brackets for wall or ceiling mounting.
Dimensions:	LD2T06P0: W 406.4 mm x H 101.6 mm x D 57.2 mm LD4T06P0: W 660.4 mm x H 200.0 mm x D 57.2 mm
Connection:	Internal removable terminal strip blocks
Relative humidity:	max. 85% rH, non-condensing.
Ambient temperature:	Operation: 0 to +50 °C. Storage: -40 to +70 °C.

Electromagnetic compatibility:	Interference emission: EN55011 Class B
	Interference immunity: EN61000-4-2 Criterion A 4 kV contact discharge 8 kV air discharge
	EN61000-4-3 Criterion A 10 V/m
	EN61000-4-4 Criterion A 2 kV Power 1 kV Signal
	EN61000-4-5 Criterion A 1 kVL-L, 2 kV L&N-E power
	EN61000-4-6 Criterion A 3 V/rms
Weight:	LD2T06P0: 2.04 kg LD4T06P0: 4.76 kg
Scope of delivery:	Device, fixing material, seal, operating instructions.
Customs tariff number:	8531 20 20
Manufacturer:	Red Lion, USA

Products Order no.	
LD2T06P0	57 mm digit height, 6 digits. Relay output, RS232/485
LD4T06P0	101 mm digit height, 6-digit, relay output, RS232/485



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