1/8 DIN LED Multifunction Totalizer/Timer/Ratemeter

Product Description
LED display for a variety of input signals.

Features
- Display counter adding and subtracting
- Position display
- Frequency counter/ratemeter
- Timer, res. up to 0.001 second
- Programmable mode
- Display range: –199.999 to 999.999 with zero blanking
- Connection with screw terminal
- Locking SET-key for reset

Standards and Certifications
- UL recognized
- CE marked

Product Selection

E5-496-E040_

1/8 DIN LED Multifunction Totalizer/Timer/Ratemeter

Description	Catalog Number
LED Multifunction Counter/Timer/Ratemeter	
90–260 Vac power 3.78 x 1.89 in (96 x 48 mm)	**E5-496-E0401**
10–30 Vdc power 3.78 x 1.89 in (96 x 48 mm)	**E5-496-E0402**

Technical Data and Specifications

General Specifications

Description	Specification
Supply voltage	10–30 Vdc with reverse polarity protection; 90–260 Vac
Current consumption	Max. 50 mA 6 VA
Display	Six-digit red, seven-segment LED display
Figure size	0.55 in (14 mm) high
Data backup	EEPROM
Housing	Dimension 3.78 x 1.89 in (96 x 48 mm) according to DIN 43 700; RAL 7021 gray
Polarity of inputs	Programmable, NPN or PNP for all inputs
Input resistance	Approx. 10k ohms
Counting frequency	60 kHz, can be damped to 30 Hz depending on operating mode at position display max. 25 kHz [1]
Reset time	5 ms
Resolution timer	Up to 0.001 second
Input switching level	
DC version (standard version)	High: $0.6 \times U_B$–30 Vdc
	Low: 0–$0.2 \times U_B$ (Vdc)
AC version	High: 12–30 Vdc
	Low: 0–4 Vdc
Voltage supply for sensors	24 Vdc ±15%/100 mA at AC versions
Accuracy	
Tachometer	<0.1%
Timer	<50 ppm
Ambient temperature	–4° to 149°F (–20° to 65°C)
Storage temperature	–13° to 167°F (–25° to 75°C)
EMC	According to EC EMC directive 89/36/EWG
Immunity to interference	EN 61 000-6-4/ EN 55011 Class B
Emitted interference	EN 61-000-6-2
Protection	IP65 (from front)
Weight	Approx. 5.29 oz (150g)

Note

[1] For further specifications, please refer to the user manual.

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Dimensions

Approximate Dimensions in Inches (mm)

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3.78
(96.0)

1.89
(48.0)

1.77 +0.02
(45.0 +0.6)

3.62 +0.03
(92.0 +0.8)

Max. 0.75
(19.0)

1.77 x 3.62
(44.9 x 91.9)

0.61
(15.5)

0.26
(6.5)

2.64
(67.1)

0.16
(4.0)