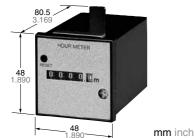
Panasonic ideas for life

DIN48 MINUTES INDICATOR HOUR METER

TH50 Hour Meters



Silver panel



Black panel

RoHS Directive compatibility information http://www.nais-e.com/

Features

1. Measurement and management in units of minutes

Unlike conventional hour meters, the time can be measured and managed in minutes.

2. Reset button

The hour meters can be reset to zero for repeated measurement.

3. High-performance compact syncronous motor

The accurately turning motor is employed to provide for longer period of measurement.

4. Common for 50/60 Hz power frequency

A lever is used to select 50 Hz or 60 Hz. There is no need to rearrange the control panel and other signal destinations.

5. Dimensions as per DIN 43700 standard

The units are in the 48×48 DIN standard size. They can be fitted in panels and give refined metallic appearance.

6. Easier wiring

The flat terminals (#187) are quick and easy to connect.

7. Rotary indicator

The rotary indicator makes one turn every 2 seconds for monitoring.

8. Compliant with CE.

Specifications

Rated operating voltage		12 V AC, 24 V AC, 48 V AC, 100 V AC, 110 V AC, 115 to 120 V AC, 200 V AC, 220 V AC, 240 V AC				
Allowable operating voltage range		85 to 115% of rated operating voltage				
Rated frequency		50/60 Hz (selectable by switch)				
Counting range		0 to 9999.9 min				
Minimum time display		0.1 min (6 sec)				
Rated power consumption		Approx. 1.5 W				
Insulation resistance (Initial value)		Min. 100 MΩ, Between live and dead metal parts (At 500 V DC)				
Breakdown voltage (Initial value)		2,000 Vrms, Between live and dead metal parts				
Max. temperature rise		55°C 131°F				
Vibration resistance	Functional	10 to 55 Hz: 1 cycle/min double amplitude of 0.5 mm (10 min on 3 axes)				
Shock resistance	Functional	Min. 98 m/s² {10 G} (4 times on 3 axes)				
	Destructive	Min. 980 m/s ² {100 G} (5 times on 3 axes)				
Ambient temperature		−10 to +50°C +14 to +122°F				
Ambient humidity		Max. 85% RH (non-condensing)				
Weight		150 g 5.29 oz				
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Product types

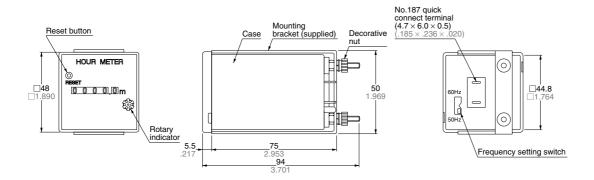
Tuno	Operating	Part number		Operating	Part number		Operating	Part number	
Type	voltage	Silver panel	Black panel	voltage	Silver panel	Black panel	voltage	Silver panel	Black panel
TH50 series	100V AC	TH501S	TH501	24V AC	TH504S	TH504	115 to 120V AC	TH507S	TH507
	200V AC	TH502S	TH502	48V AC	TH505S	TH505	220V AC	TH508S	TH508
	12V AC	TH503S	TH503	110V AC	TH506S	TH506	240V AC	TH509S	TH509

Applicable standard

Safety standard	EN61010-1	Pollution Degree 2/Overvoltage Category II			
EMC	(EMI)EN61000-6-4 Radiation interference electric field strength Noise terminal voltage (EMS)EN61000-6-2 Static discharge immunity RF electromagnetic field immunity EFT/B immunity Surge immunity Conductivity noise immunity Power frequency magnetic field immunity Voltage dip/Instantaneous stop/Voltage fluctuation immunity	EN55011 Group1 ClassA EN55011 Group1 ClassA EN61000-4-2			

Dimensions

mm inch General tolerance: $\pm 1.0 \pm .039$



Wiring diagram

Panel mounting

mm inch

