Digital Hour Meter & Counter

- Suitable for Hour meter & Counter (Up / Down) application
- Wide Hour meter range from 1 sec to 9999999 hrs
- Wide counter range from 1 to 9999999 counts
- Prescaling facility for Counter
- Alarm facility for both Hour meter & Counter
- Relay & MOSFET Output with Over Load detection
- Retentive & Non-Retentive modes
- 7 Digit LCD with luxurious green backlight
- Compact size
- Suitable for panel mounting



Ordering Information

Cat. No. Z2301N0G1FT00 Z2221N0G2FT00

Description

9-30 V DC (with dual MOSFET output) 85-265 V AC/DC (with Relay output)

Digital Hour Meter & Counter



Cat. No.			Z2301	N0G1F	Т00	Z2221N0G2FT00	
Paramete	ers						
Supply Voltage (中)			9 - 30 VDC			85 - 265 VAC/DC	
Power Co		. ,	2 W max.			2 VA / 1W	
Supply Frequency			50 / 60 Hz				
I/P Signal Characteristics							
Signal Voltage Range			9 - 30 VDC			85 - 265 VAC & 100 - 265 VDC	
Signal Isolation Output Characteristics			2kV				
Jutput C	haracte	ristics					
Output type			2 MOSFET: 30 VDC/60 mA (Max.) Note: Use isolated input supply			Relay: 1 C/O, Contact Rating: 5 A(Res.) @ 250 VAC/30 VDC Contact Material: Ag Alloy	
unction	al Char	acteristics					
Display			7 digit LCD , 6.5 mm Height, 12 O' Clock, Transmissive				
Number of keys			2 (SET key & RST key)				
Reset fun	iction	Reset type	Terminal Front Auto Reset				
		Time (min.)		80 ms 3 Sec - ± 2sec per Day			
lour ∕leter	Accuracy Ranges		± 2sec per Day Hrs : Min : Sec (999:59:59), Hrs : Min (99999:59), Hrs (9999999), Min (9999999), Sec (9999999)				
	0		For Hour counting detection, Signal has to be present for min. 3msec & signal has to be absent for min 20m				
	Accuracy						
	Range		1 to 9999999.999				
Counter Functions	Decimal Point Position(max.)						
			4 Digit				
	Input	Switching Freq.(max.)	10 Hz for AC and 40 Hz for DC				
	Signal Pulse Width min. 50ms ON/50ms OFF for AC, 12.5ms ON/12.5ms OFF					ims OFF for DC	
Environmental Characteristics							
Operating Temperature			-5° C to +55° C				
Storage Temperature			-10° C to +60° C				
Humidity			5 to 95% Rh (Without condensation)				
Maximum Operating Altitude			2000 m				
Pollution Degree							
Degree of Protection		Front side: IP40; Terminals: IP20, Housing : IP30					
Enclosure material			UL 94 V0 Plastic				
Casing color			Black				
Other Characteristics							
Mounting			Flush mounting on panel cut-out				
Panel Cut-out			22mm X 44.8mm				
Weight (Un-packed)			52 gm				
Operating position			Horizontal				
Termination wire Sizes			Wire size : 22-14 AWG, 0.3-2.5 mm				
EMI / EMC Harmonic Current Emissions Voltage Flicker & Fluctuation ESD Radiated Susceptibility Electrical Fast Transients (Supply) Electrical Fast Transients (Signal) Surge Conducted Susceptibility Power Frequency Magnetic Field Voltage Dips Conducted Emission Radiated Emission			IEC 61000-3-2 IEC 61000-3-3 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-4 IEC 61000-4-4 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-8 IEC 61000-4-8 IEC 61000-4-29 CISPR 11 CISPR 11				
Safety Compliance: Test Voltage (All terminal to housing) Single fault Leakage Current Environmental Cold Heat Dry Heat Vibration Repetitive Shock			IEC 60947-5-1 IEC 61010-1 UL 508 IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-6 IEC 60068-2-27				

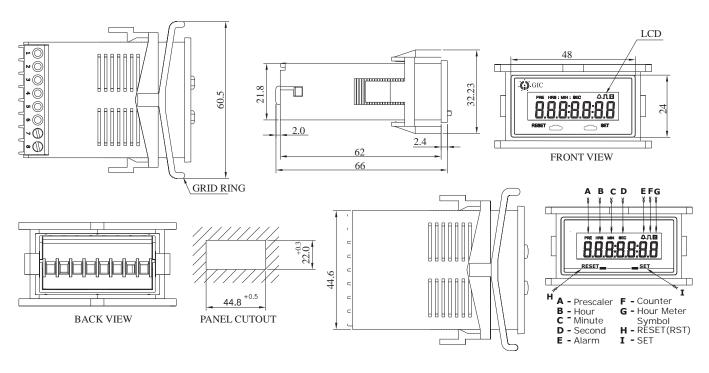
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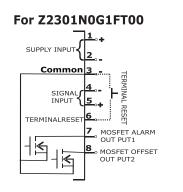
TERMINAL TORQUE & CAPACITY

Ø 3.5 mm	Torque - 0.40 N.m (3.5 Lb.in) Terminal screw - M2.5
	Solid Wire - 1 X 0.32.5 mm ²
AWG	22 to 14

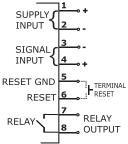
MOUNTING DIMENSIONS (mm)



CONNECTION DIAGRAM



For Z2221N0G2FT00



Proximity Switch Connection Diagram:

