Frequency Monitoring Series PD 225

- Wide Auxiliary Supply voltage Range: 110 240 VAC, 220 440 VAC
- Models for Over Frequency and Under/Over Frequency Monitoring
- Monitors Frequency of Three signals Sine, Square & Triangular
- Model for Frequency Limit Control: 5 Hz to 135 Hz
- Wide Signal Input Voltage: 15 to 500 VAC

- Adjustable Relay status in Healthy or Unhealthy condition using DIP switch "ET" (Energize to Trip) or "DT" (De-energize to trip.)
- Ease of Frequency setting with simple Addition & Subtraction
- LED Indications for Healthy, Unhealthy & No signal conditions



Cat. No.			MI81BJ Codigo NDU 0506041GI		MI91BL
Parameters			· ·	NDU 0506041G1	
Supply Voltage (中)			110 - 240 VAC 220 - 440 VAC		220 - 440 VAC
Supply Variation		-15% to +15% (of 中)			
Frequency		50/60 Hz			
Power Consumption (Max.)		3 VA			
Signal Type		Sinusoidal, Square, Triangular			
Signal Input Voltage Range		(15 to 500) V		(40 (70)))	
Overall Frequency Range		(5 to 135) Hz		(40 to 70) Hz	
Trip	Over Frequency		0.33 to 1 of Full Scale		(+1 to +10) Hz above Selected Value
Settings	Under Frequency		NA		(-1 to -10) Hz below Selected Value
Reset Hysteresis Setting Accuracy		1.5 % of Full Scale selected ± 5%			
_	•				
Repeat Accuracy		± 0.02%		500 4- 5 -	
Time	ON Delay		500 ms		500 ms to 5 s
Dulay	OFF Delay Reset Time		100 ms 150 ms		
			150 ms 1 C/O		
	Relay Output				
וווחזווו	Contact Rating Electrical Life		6A (Resistive) @ 250 VAC / 28 VDC 1 x 10 ⁵		
_	Mechanical Life				
1V.			3 x 10 ⁶ Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A		
Utilization Category AC - 15 DC - 13		Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 3.0/1.3 A Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A			
LED Relay Indications UF/OF		Red LED Flashing if No Signal N A			
		N A		Separate for UF & OF	
Operating Temperature		- 15° C to +60° C			
Storage Temperature		- 15 C to +60 C - 25° C to +80° C			
Enclosure		Flame Retardant UL94-V0			
Dimension (W x H x D) (in mm)		22.5 X 75 X 100.5			
Weight (unpacked)		120 g			
		Base / DIN rail			
Mounting					
Certification		C C C LISTED ROOTS Compliant			
Degree of Protection		IP 20 for Terminals, IP 40 for Enclosure			
EMI / EM			,		
Harmonic Current Emissions		IEC 61000-3-2	Ed. 3.0 (2005-11) Class A		
ESD		IEC 61000-4-2	· · · · · · · · · · · · · · · · · · ·	Ed. 1.2 (2001-04) Level II	
Radiated Susceptibilty		IEC 61000-4-3	Ed. 3.0 (2006-02) Level III		
	Fast Transient	S	IEC 61000-4-4	Ed. 2.0 (2004-07) Level IV	
Surges	6 47.7		IEC 61000-4-5		
	Susceptibilty		IEC 61000-4-6	Ed. 2.2 (2006-05) Level II	
Voltage Dips & Interruptions (AC) Conducted Emission		IEC 61000-4-11 CISPR 14-1	Ed. 2.0 (2004-03) All 7 Le Ed. 5.0 (2005-11) Class A		
Radiated Emission		CISPR 14-1 Ed. 5.0 (2005-11) Class A CISPR 14-1 Ed. 5.0 (2005-11) Class B			
Environm				(, –	
Cold Heat		IEC 60068-2-1	Ed. 6.0 (2007-03)		
Dry Heat		IEC 60068-2-2	Ed. 5.0 (2007-07)		
Vibration		IEC 60068-2-6	Ed. 7.0 (2007-12) 5g		
			IEC 60068-2-27	Ed. 4.0 (2008-02) 40g, 6m	30
Repetitive	Shock titive Shock		IEC 60068-2-27	Ed. 4.0 (2008-02) 40g, 611 Ed. 4.0 (2008-02) 30g, 15t	

ORDERING INFORMATION

 Cat. No.
 Description

 MI81BJ
 110 - 240 VAC, Over Frequency Relay, 1 C/O

 MI91BJ
 220 - 440 VAC, Over Frequency Relay, 1 C/O

MI91BJ 220 - 440 VAC, Over Frequency Relay, 1 C/O
MI81BL 110 - 240 VAC, Over Frequency & Under Frequency Relay, 1 C/O
MI91BL 220 - 440 VAC, Over Frequency & Under Frequency Relay, 1 C/O