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	MI91BL	
Parameters				
Supply Vol	tage (中)	110 - 240 VAC	220 - 440 VAC	
Supply Variation		-15% to $+15\%$ (of \Rightarrow)		
Frequency		50/60 Hz		
	sumption (Max.)	3 VA		
Signal Typ		Sinusoidal, Square, Triangular		
Signal Input Voltage Range		(15 to 500) V		
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	N A	(-1 to -10) Hz below Selected Value	
	Reset Hysteresis	1.5 % of Full Scale selected		
Setting Accuracy		± 5%		
Repeat Acc	·	± 0.02%		
Time	N Delay	500 ms	500 ms to 5 s	
Delay O	FF Delay	100 ms		
	eset Time	150 ms		
	elay Output	1 C/O		
Onithin	ontact Rating	6A (Resistive) @ 250 VAC / 28 VDC		
	lectrical Life	1 x 10 ⁵		
N	Iechanical Life	3 x 10 ⁶	1.6.4	
Utilization Category AC - 15		Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 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 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 83 X 100.5		
Weight (unpacked)		120 g		
Mounting		Base / DIN rail		
Certification		CE COMPILIATED Compliant		
Degree of Protection		IP 20 for Terminals, IP 40 for Enclosure		
EMI / EMC Harmonic Current Emissions ESD Radiated Susceptibility Electrical Fast Transients Surges Conducted Susceptibility Voltage Dips & Interruptions (AC) Conducted Emission Radiated Emission		IEC 61000-3-2 IEC 61000-4-2 IEC 61000-4-3 IEC 61000-4-5 IEC 61000-4-6 IEC 61000-4-11 CISPR 14-1		
Environmental Cold Heat Dry Heat Vibration Repetitive Shock Non-Repetitive Shock		IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-6 IEC 60068-2-27 IEC 60068-2-27		

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