- Protects against Phase Loss, Phase Reversal & Phase Asymmetry
- Can be configured for 3 Phase 4 Wire or 1 Phase system
- Selectable Over Voltage / Under Voltage Trip level
- · Selectable Time Delay
- LED Indications for Power and Fault conditions
- Voltage Sensing principle
- 1 C/O or 2 C/O Configuration



Ordering Information

Cat. No.	Description
MD71BH	240 VAC, UV / OV with Selectable ON Delay (0.5 to 15 sec), 1 C/O
MD71BF	240 VAC, UV / OV with Selectable OFF Delay (0.5 to 15 sec), 1 C/O
MD71B9	240 VAC, UV / OV with Selectable ON Delay (0.5 s to 15 min), 1 C/O



Cat. No.			MD71BH	MD71BF	MD71B9	
Parame	ters					
Supply Voltage (中)			240 VAC (1 Phase & 3 Phase, 4 Wire)			
Frequency			50/60 Hz			
Power C	Power Consumption (Max.)		4 VA			
	Phase Loss		Yes	Yes	Yes	
Trip	Phase Sequence		N.A	N.A	N.A	
Settings	Phase Asymmetry		N.A	N.A	N.A	
o o	Under Voltage		55% to 95% (of 中)			
	Over Voltage		105% to 125% (of中)			
Time	ON Delay		0.5 to 15 s (Selectable)	5 s	0.5 s to 15 min (Selectable)	
Delay	Trip Time (OFF Delay)		5 s	0.5 to 15 s (Selectable)	5 s	
	Relay Outpo	ut	1 C/O			
Output	Contact Ra	ting	5A @ 250 VAC / 28 VDC (Resistive)			
Output	Electrical Life		1X10 ⁵			
	Mechanical Life		3X10 ⁶			
Utilizatio	Utilization Category AC - 15 DC - 13		Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A			
			Rated Voltage (Ue): 24/125/250 V, Rated Current (le): 2.0/0.22/0.1 A			
LED Indication			Separate indications for Power ON, UV and OV			
Operating Temperature Storage Temperature			-15° C To + 55° C -25° C To + 70° C			
Humidity	y (Non Conde	ensing)	95% (Rh)			
Enclosure			Flame Retardant UL 94-V0			
Dimension (W x H x D) (in mm)		D) (in mm)	36 X 90 X 60			
Weight (unpacked) Approx.		pprox.	120 g			
Mounting			Base / DIN rail			
Degree of Protection			IP 20 for Terminals, IP 40 for Enclosure			
Certification			CE Compliant			

EMI / EMC

Harmonic Current Emissions	IEC 61000-3-2
ESD	IEC 61000-4-2
Radiated Susceptibility	IEC 61000-4-3
Electrical Fast Transients	IEC 61000-4-4
Surges	IEC 61000-4-5
Conducted Susceptibility	IEC 61000-4-6
Voltage Dips & Interruptions (AC)	IEC 61000-4-11
Conducted Emission	CISPR 14-1
Radiated Emission	CISPR 14-1

Environmental

 Cold Heat
 IEC 60068-2-1

 Dry Heat
 IEC 60068-2-2

 Vibration
 IEC 60068-2-6

 Repetitive Shock
 IEC 60068-2-27

 Non-Repetitive Shock
 IEC 60068-2-27

Note: 1) Voltage setting is with respect to Neutral. Voltage Setting Accuracy: ± 5 % of Full Scale; Time Setting Accuracy: ± 10 % of Full Scale



Ordering Information

Cat. No.	Description
MG73B9	240 VAC, UV / OV & Single Phasing Preventor (SPP) with Selectable ON Delay (0.5 s to 15 min), 2 C/O
MG73BH	240 VAC, UV / OV & SPP with Selectable ON Delay (0.5 to 15 sec), 2 C/O
MG73BF	240 VAC, UV / OV & SPP with Selectable OFF Delay (0.5 to 15 sec), 2 C/O
MG73BQ	120 - 240 VAC Selectable, UV / Selectable OV & SPP with Selectable OFF Delay (0.5 to 15 sec), 2 C/O
MG73BR	240 VAC, Fixed UV / OV & SPP, 20% Asymmetry with Fixed ON (10 sec) & OFF (5 sec) Delay, 2 C/O
MGH3BH	220 VAC, UV / OV & SPP with Selectable ON Delay (0.5 to 15 sec), 2 C/O
MGH3BF	220 VAC, UV / OV & SPP with Selectable OFF Delay (0.5 to 15 sec), 2 C/O
MGI3BF	230 VAC, UV / OV & SPP with Selectable OFF Delay (0.5 to 15 sec), 2 C/O



Cat. No.			MG73BH	MG73BF	MG73B9	
Parame	ters			"		
Supply Voltage (中)			240 VAC (1 Phase & 3 Phase, 4 Wire)			
Frequency			50/60 Hz			
Power Consumption (Max.)		(Max.)	5 VA			
Trip Settings	Phase Loss		Yes			
	Phase Sequence		Yes			
	Phase Asymmetry		10% (of 中)			
Octungs	Under Voltage		55% to 95% (of中)			
	Over Voltage		105% to 125% (of中)			
	Hysterisis		7 V (± 2 V)			
Time	ON Delay		0.5 to 15 s (Selectable)	5 s	0.5 s to 15 min (Selectable)	
Delay	Trip Time (OFF Delay)		5 s	0.5 to 15 s (Selectable)	5 s	
	Relay Output		2 C/O			
Output	Contact Ra	ting	5A @ 250 VAC / 28 VDC (Resistive)			
Output	Electrical Life		1X10⁵			
	Mechanical Life		3X10 ⁶			
l Itilizatio	on Category	AC - 15	Rated Voltage (Ue): 120/240 V, Rated Current (Ie): 3.0/1.5 A			
Utilization Category DC - 13		DC - 13	Rated Voltage (Ue): 24/125/250 V, Rated Current (Ie): 2.0/0.22/0.1 A			
LED Ind	lication		Separate indications for Power ON, UV and OV; ON: Phase Reverse; BLINK: Phase Asymmetry			
Operating Temperature Storage Temperature			-15° C To + 55° C -25° C To + 70° C			
Humidity (Non Condensing)		ensing)	95% (Rh)			
Enclosu	re		Flame Retardant UL 94-V0			
Dimension (W x H x D) (in mm)		D) (in mm)	36 X 90 X 60			
Weight (unpacked)			120 g			
Mounting			Base / DIN rail			
Degree of Protection			IP 20 for Terminals, IP 40 for Enclosure			
Certification			C Compliant			

EMI / EMC

Harmonic Current Emissions IEC 61000-3-2 IEC 61000-4-2 IEC 61000-4-3 Radiated Susceptibility **Electrical Fast Transients** IEC 61000-4-4 IEC 61000-4-5 Surges Conducted Susceptibility IEC 61000-4-6 Voltage Dips & Interruptions (AC) IEC 61000-4-11 Conducted Emission CISPR 14-1 Radiated Emission **CISPR 14-1**

Environmental

 Cold Heat
 IEC 60068-2-1

 Dry Heat
 IEC 60068-2-2

 Vibration
 IEC 60068-2-6

 Repetitive Shock
 IEC 60068-2-27

 Non-Repetitive Shock
 IEC 60068-2-27

Note: 1) Voltage setting is with respect to Neutral. Voltage Setting Accuracy: ± 5 % of Full Scale; Time Setting Accuracy: ± 10 % of Full Scale