

Selection Guide Voltage Monitors

Three Phase

To view individual catalog pages, see Catalog SS3 (1TRC001009C0201) or www.ssac.com



Available 4th Quarter, 2005



Functions and Features	WVM	DLM	DLA	PLM	PLMU	PLR	PLS	RLM	HLM	TVM	TVW	CM-MPS
General Features												
DIN Rail Mounting	w/a	•	•	w/s	w/s	w/s	w/s		w/a		w/a	•
Surface Mounting	•	•	•	w/s	w/s	w/s	w/s	•	•	•	•	w/a
8-Pin Plug-In				•	•	•	•					
Screw Terminals	•	•	•									•
Quick Connects								•	•	•	•	
Output												
DPDT Relay(s)			•									•
SPDT Relay	•	•		•	•	•	•	•	•	•	•	
SPST-NO												
Line V Connection												
Wired Phase-to-Phase	•	•	•	•	•	•	•	•	•	•	•	•
Universal Voltage			•		•				•			
Phase-to-Neutral												
Single Phase												
Trip Point(s) Adjustable	•	•	•	•	•	•		•	•		V	•
Trip Point(s) Fixed										•	•	
Supply Voltage Required												
Protection												
Phase Sequence	•	•	•	•	•	•	•	•	•	•	•	•
Phase Loss (!)	•	•	•	•	•	•		•	•	•	•	•
Motor (On Start Up Only)							•					
Motor (While Operating)	•	•	•	•	•	•		•	•	•	•	•
Undervoltage	•	•	•	•	•	•		•	•	•	•	•
Overvoltage	•	•	•	•	•	•		•	•	•	•	•
Unbalance (Asymmetry)	•	•	•	•	•	•		•	•	•	•	•
Rapid Recycling	•				•					•	•	
Time Delays & Reset												
Trip Delay	•	•	•	•	•			•	•	•	•	
Restart Delay	•				•					•	•	
Automatic Restart	•	•	•	•	•	•	•	•	•	•	•	•
Manual Reset	•											
Indicator LED(s)												
Output ON/OFF	•	•	•	•	•	•		•	•	•	•	•
Supply ON/OFF												
Fault(s)	•		•						•	•	•	•
Timing	•		•		•				•	•	•	
Dimensions	in	4.4 x 6.9 x 2.4	1.97 x 2.95 x 4.33	1.78 x 2.39 x ≤ 3.2	3.12 x 4.5 x 1.35					2.0 x 2.0 x ≤ 1.86		
	mm	111.8 x 175.3 x 61	50 x 75 x 110	45.2 x 60.7 x ≤ 81.3	79.3 x 114.3 x 34.3					50.8 x 50.8 x ≤ 47.2		

w/a = with adaptor; w/s = with socket; v = Line voltage adjustable on some models

! Phase loss protection for resistive and non-rotating loads. Motor protection can be affected by regenerated voltages.

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Three Phase

Single Phase



Functions and Features	Three Phase									Single Phase						
	CM-ASN	CM-PVN	CM-PFN	CM-ASS	CM-PFS	CM-PBE	CM-PFE	CM-PVE	KVM	CM-EFN	CM-ESN	CM-ESS				
General Features																
DIN Rail Mounting	•	•	•	•	•	•	•	•	w/a	•	•	•				
Surface Mounting	w/a	w/a	w/a	w/a	w/a	w/a	w/a	w/a	•	w/a	w/a	w/a				
8-Pin Plug-In																
Screw Terminals	•	•	•	•	•	•	•	•		•	•	•				
Quick Connects									•							
Output																
DPDT Relay(s)	•	•	•		•					•	•					
SPDT Relay				•			•					•				
SPST-NO						•		•	•							
Line V Connection																
Wired Phase-to-Phase	•	•	•	•	•	•	•	•								
Universal Voltage					•		•									
Phase-to-Neutral							•	•	•							
Single Phase							•	•	•							
Trip Point(s) Adjustable	•	•					•	•	•	•	•	•				
Trip Point(s) Fixed									•	•	•	•				
Supply Voltage Required	•	•	•				•	•		•	•	•				
Protection																
Phase Sequence	•	•	•	•	•			•								
Phase Loss (!)																
Motor (On Start Up Only)	•	•	•	•	•	•	•	•								
Motor (While Operating)	•			•												
Undervoltage		•	•			•		•	•	•	•	•				
Overvoltage		•	•					•		•	•	•				
Unbalance (Asymmetry)	•			•												
Rapid Recycling		•														
Time Delays & Reset																
Trip Delay	•	•	•			•		•		•	•					
Restart Delay		•	•	•						•	•					
Automatic Restart	•	•	•	•	•	•	•	•		•	•	•				
Manual Reset																
Indicator LED(s)																
Output ON/OFF	•	•	•	•		•	•	•	•	•	•	•				
Supply ON/OFF	•	•	•		•					•	•	•				
Fault(s)	•	•	•							•						
Timing																
Dimensions																
	in	1.77 x 3.07 x ≤ 3.98			0.886 x 3.07 x ≤ 3.98			0.886 x 3.07 x 3.09			2 x 2 x 1.21		1.77 x 3.07 x ≤ 3.98		0.886 x 3.07 x ≤ 3.98	
	mm	45 x 78 x ≤ 101			22.5 x 78 x ≤ 101			22.5 x 78 x 78.5			50.8 x 50.8 x 30.7		45 x 78 x ≤ 101		22.5 x 78 x ≤ 101	

w/a = with adaptor; w/s = with socket

! Phase loss protection for resistive and non-rotating loads. Motor protection can be affected by regenerated voltages.