



GE Electrical Distribution & Control

Trip Unit Evolution

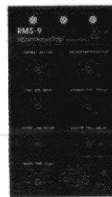




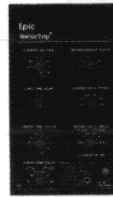
Trip Unit Evolution



Obsolete



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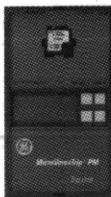


	Trip Unit Functions	Trip Unit Type	MicroVersaTrip®	RMS-9	EPIC™ RMS-9	MicroVersa
General	Usage	AKR, AK/AKR Conversion Kits, Power Break® circuit breakers, R-Frame				
	UL Interchangeable	Yes	No			
	Local Ampere Metering	No				
	Communications	No	Yes¹			
	Remote Display	No				
	Trip Targets	Mechanical pop-out target				
	Sensor Type	Fixed or tapped CT				
	Rating Plug Type	None	Type TR00S0000			
	True RMS Sensing	No				
	Test Port/Test Kit	No	Yes (Fully compatible w/ TVRMS)			
	Retrofits MicroVersaTrip Trip Units					Yes
	User Interface	Cold Setup	Yes (Rotary switches)			
Adjustment Method		Rotary switches				
LCD Display		No				
Positive Indication of Setpoint Entry		Yes (Switches)				
Trip Functions	Long-Time (LT) Pickup Indication	LED light				
	LT, LT Delay					
	Short Time (ST), ST Delay					
	ST I²t In/Out					
	Instantaneous					
	Ground Fault (GF), GF Delay					
	GF I²t In/Out	I²t STD (no in/out)				
	Switchable GF (not UL)	No	AKR, AK/AKR Conversion Kits—Only optional			
	Ground Fault Alarm Only					
	Hi-Range Instantaneous	Optional, adjustable				
	Zone Selective Interlock					
	Local Metering	Current (A, kA)	No	No¹		
Voltage (V)		No	No¹			No
Energy (kWh, MWh, GWh)		No	No¹			No
Non-Volatile Energy		No	No¹			No
Real Power (kW, MW)		No	No¹			No
Total Power (kVA, MVA)		No	No¹			No
Frequency (Hz)		No	No¹			No
Demand/Peak Demand (kW, MW)		No/No	No¹/No			No
Local Protective Relays	Current Unbalance	No	Yes¹			No
	Voltage Unbalance	No	Yes¹			No
	Overvoltage	No	No			No
	Undervoltage	No	Yes¹			No
	Power Reversal	No	Yes¹			No
	Power Reversal Direction	No	No			No
Misc.	Fault Current Magnitude/Phase	No	No			No
	Overcurrent Trip Operations Counter	No	No			No
	UVR, Shunt Trip Targets	No	No			No
	Configurable Bell Alarm and Bell Alarm/Lockout (DIP Switch)	No	No			No

1. Function requires EPIC field programmable unit.

2. Function requires POWER LEADER™ or EPIC field programmable unit.

3. Trip unit must match current sensor amps.

		 		 	
Plus™	MicroVersaTrip PM™	Power Break® Enhanced MicroVersaTrip Plus	Power Break Enhanced MicroVersaTrip PM	Power Break II Enhanced MicroVersaTrip Plus	Power Break II Enhanced MicroVersaTrip PM
Replaces RMS-9 & MicroVersaTrip Plus/PM trip units			Power Break II circuit breakers		
Yes			Yes ³		
Yes					
Yes ²		No	Yes ²	No	Yes ²
Yes (AKR, AK/AKR Conversion Kits—Only)			Capable but not used for breaker		
LCD segments					
Fixed CT					
Type TR00B0000					
Yes					
Yes (TVRMS2 New)				No	
No		Yes (Batteries)			
5-key membrane keypad		5-key ergonomic keypad			
(5:1 contrast ratio)		Yes (40:1 contrast ratio)			
No		Yes (Values flash until entered)			
“PICKUP” segment on LCD					
Standard					
Optional					
Yes					
Optional					
Optional					
Yes		Optional			
No		Optional, fixed			
Optional					
	Yes	Yes	Yes	Yes	Yes
	Yes	No	Yes	No	Yes
	Yes	No	Yes	No	Yes
	No	No	Yes	No	Yes
	Yes	No	Yes	No	Yes
	Yes	No	Yes	No	Yes
	Yes	No	Yes	No	Yes
	Yes/No	No/No	Yes/Yes	No/No	Yes/Yes
	Yes	No	Yes	No	Yes
	Yes	No	Yes	No	Yes
	Yes	No	Yes	No	Yes
	Yes	No	Yes	No	Yes
	No	No	Yes	No	Yes
	No	Yes	Yes	Yes	Yes
	No	Yes	Yes	Yes	Yes
	No	No	No	Yes	Yes
	No	No	No	Yes	Yes

Trip Unit Rating Plug Evolution

Frame Size (Amps)	Sensor Rating (Amps)	Current Rating (Amps)	Rating Plug Catalog Number for Trip Unit Type		
			MicroVersaTrip	RMS9 & EPIC	MicroVersaTrip Plus and PM Enhanced MicroVersaTrip Plus and PM Power Break II Circuit Breaker with MicroVersaTrip Plus and PM
800	200	100 150 200	Not available	TR2S100 TR2S150 TR2S200	TR2B100 TR2B150 TR2B200
	400	150 200 225 250 300 400	Not available	TR4S150 TR4S200 TR4S225 TR4S250 TR4S300 TR4S400	TR4B150 TR4B200 TR4B225 TR4B250 TR4B300 TR4B400
	800	300 400 450 500 600 700 800	Not available	TR8S300 TR8S400 TR8S450 TR8S500 TR8S600 TR8S700 TR8S800	TR8B300 TR8B400 TR8B450 TR8B500 TR8B600 TR8B700 TR8B800
1600	1000	400 600 800 1000	Not available	TR10S400 TR10S600 TR10S800 TR10S1000	TR10B400 TR10B600 TR10B800 TR10B1000
	1600	600 800 1000 1100 1200 1600	Not available	TR16S600 TR16S800 TR16S1000 TR16S1100 TR16S1200 TR16S1600	TR16B600 TR16B800 TR16B1000 TR16B1100 TR16B1200 TR16B1600
2000	2000	750 800 1000 1200 1500 1600 2000	Not available	TR20S750 TR20S800 TR20S1000 TR20S1200 TR20S1500 TR20S1600 TR20S2000	TR20B750 TR20B800 TR20B1000 TR20B1200 TR20B1500 TR20B1600 TR20B2000
2500	1000	400 600 800 1000	Not available	TR10S400 TR10S600 TR10S800 TR10S1000	TR10B400 TR10B600 TR10B800 TR10B1000
	2000	750 800 1000 1200 1500 1600 2000	Not available	TR20S750 TR20S800 TR20S1000 TR20S1200 TR10S1500 TR20S1600 TR20S2000	TR20B750 TR20B800 TR20B1000 TR20B1200 TR10B1500 TR20B1600 TR20B2000
	2500	1600 2000 2500	Not available	TR25S1600 TR25S2000 TR25S2500	TR25B1600 TR25B2000 TR25B2500
3000	3000	2000 2500 3000	Not available	TR30S2000 TR30S2500 TR30S3000	TR30B2000 TR30B2500 TR30B3000
4000	4000	1600 2000 2500 3000 3600 4000	Not available	TR40S1600 TR40S2000 TR40S2500 TR40S3000 TR40S3600 TR40S4000	TR40B1600 TR40B2000 TR40B2500 TR40B3000 TR40B3600 TR40B4000

• Rating plug removal tool, catalog number TRTOOL.



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