



Zenith ZTG series, powered by TruONE™

New model cross reference

Outgoing ZTG					New ZTG, Powered by TruONE™		
General Ratings/Features	Value	Note			Value	Note	
Ampacity	40-1200 A				30-1200 A		
Voltage	120-600 Vac	Must be factory configured			200-480Vac (universal)	Each unit has wide voltage range 200-480Vac	
Frequency	50 / 60 Hz	Must be factory configured			50 / 60 Hz (universal)	Each unit has configurable frequency	
Poles	2, 3, 4				2, 3, 4		
Phase systems	1, 3				1, 3		
Transition types	standard (open), delayed				standard (open), delayed		
Cable entry	top/bottom				top/bottom	Source terminals on top	
UL 1008	yes				yes		
NFPA 70, 99, 101 and 110	yes				yes		
Seismic	IBC-2015, IEEE-693-2005				IBC-2015, IEEE-693-2005		
Enclosure types	1, 3R, 12, 4, 4X				1, 3R, 12, 4, 4X		
Main Features	Name	MSTDG	MEXEG	(option package)	Name	Offered	
All-in-one construction	-	-	-	NOT AVAILABLE	TruONE™ technology	•	All-in-one modular ATS construction eliminates unneeded connection points and allows simple parts replacements
Auto configure / wide voltage range	-	-	-	NOT AVAILABLE	Standard Auto Configure	•	Recognizes and sets voltage/freq system settings from HMI
Configurable source type	-	-	-	NOT AVAILABLE	Standard	•	Utility-Gen, Utility-Utility, source priority/ no-priority
Test Switch	6/P, 6A, 6AP	•	•		Standard	•	Available from HMI pushbutton or by embedded I/O
Aux contact, closed on S1 failure	A1	◦	◦		Standard I/O or Ekip 2k	•	
Aux contact, closed on S2 failure	A1E	◦	◦		Standard I/O or Ekip 2k	•	
Aux contact, closed in S2 position	A3	•	•	1 standard, additional optional	OA1G10 or OA1G01	•	Up to 4 NO or NC contacts per source
Aux contact, closed in S1 position	A4	•	•	1 standard, additional optional	OA1G10 or OA1G01	•	Up to 4 NO or NC contacts per source
Digital I/O	-	-	-	NOT AVAILABLE	Standard I/O or Ekip 2k	•	Programmable I/O, 1 each on open transition, expandable up to 3 Ekip 2k modules with 2 inputs and outputs per module
Programming with no external power	-	-	-	NOT AVAILABLE	Ekip Connect with Ekip Programming Module	◦	Programmable with no external power using laptop with Ekip Connect Software and Ekip Programming Module
Auxiliary power supply for controls	-	-	-	NOT AVAILABLE	OXEA1 Aux Power Supply	◦	12-24Vdc can be supplied to power HMI, Controller, and Communications throughout an outage
Calibrates freq. and voltage for both sources	CALIBRATE	•	•		Standard	•	
Exerciser	CDT	•	•	5-60 min, 1, 7, 14, 28 day period timed exercise, load or no load	Standard	•	
Exerciser	CDP	◦	•	365 day cycle, load or no load	Standard	•	
Engineer start contact	E	•	•		Standard	•	
Event log	EL/P	•	•	16 events with date, reason, action	Standard	•	250 events with date and time
Voltage / Freq. indication	K/P	•	•		Standard	•	
Position / Avail. Indication	L1/2, L3/4	•	•	S2/S1 position, S1/S2 availability	Standard	•	
Center-off position /delay indication	LN/P	•	•	ZTGD only	Standard	•	
Peak shave / Remote load test	Q2	•	•		Standard I/O or Ekip 2k	•	Programmable function
In-phase monitor	R50	•	•	Self adjusting, not with ZTGD	Standard	•	
Commit transfer	S13	•	•	On/off setting	Standard	•	On/off setting
Universal motor load disconnect	UMD/A62	◦	◦		Standard I/O or Ekip 2k	•	
Alarm	CTAP	◦	◦	Upon transfer to emergency, w/silence	-	-	I/O available to add alarm
Heater and Thermostat	HT	◦	◦		Optional	◦	
Manual operation	N/A	•	•	Pushbutton or emergency manual handle (not under load)	N/A	•	Pushbutton or manual handle (load switching possible)
Inhibit transfer	DS	◦	◦	Standard on 800A and above	Standard	•	

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Time Delays							
O to S1 retransfer time delay	DT	•	•	ZTGD only	Standard	•	ZTGD only
O to S2 time delay	DW	•	•	ZTGD only	Standard	•	ZTGD only
Engine start delay	P1	•	•		Standard	•	
Override S1 Outage	-	•	•		Standard	•	
Override S2 Outage	-	-	-	NOT AVAILABLE	Standard	•	
Retransfer to S1 delay	T	•	•		Standard	•	
Engine cool down	U	•	•		Standard	•	
Transfer to S2 delay	W	•	•		Standard	•	Or transfer to S1 delay
Bypass time delay	YEN/P	•	•	for T & W timers only	Standard	•	for any running time delay
Sensing Features							
S2 frequency	J1E	•	•	Adjustable S2 underfrequency	Standard	•	Adjustable over/under frequency for S1 and S2
S2 voltage	R2E	•	•	Adjustable S2 undervoltage	Standard	•	Adjustable over/under voltage for S1 and S2
Voltage imbalance monitor	VI		•	Three phase systems only	Standard	•	
Elevator pre/post transfer signal	T3/W3	◦	◦		Standard I/O or Ekip 2k	•	Programmable function
Communications							
Modbus RTU	MCM	◦	◦		Ekip Com Modbus RTU	◦	Plug-in communication module
Modbus TCP	-	-	-	NOT AVAILABLE	Ekip Com Modbus TCP	◦	Plug-in communication module
Ethernet/IP	-	-	-	NOT AVAILABLE	Ekip Com Ethernet/IP	◦	Plug-in communication module
Profibus	-	-	-	NOT AVAILABLE	Ekip Com Profibus	◦	Plug-in communication module
Profinet	-	-	-	NOT AVAILABLE	Ekip Com Profinet	◦	Plug-in communication module
Devicenet	-	-	-	NOT AVAILABLE	Ekip Com Devicenet	◦	Plug-in communication module
Monitoring platform	EVM	◦	◦	Enervista viepoint monitoring	Ekip Com Hub	◦	Plug-in communication module, ABB Ability EDCS Cloud Monitoring

Meters

Outgoing ZTG				New ZTG, Powered by TruONE™			
Name			Note	Name			Note
M90	◦	◦	EPM2200 True RMS Digital Meter with display (Amps, Volts, Power, Energy, Power Factory & Frequency) 3 Line LED Display, 50/60 Hz Universal Operation, 1 or 3 phase. Standard Modbus RTU RS485 communications capability.	M90	◦	◦	EMP2200 True RMS Digital Meter with display (Amps, Volts, Power, Energy, Power Factory & Frequency) 3 Line LED Display, 50/60 Hz Universal Operation, 1 or 3 phase. Standard Modbus RTU RS485 communications capability.
M90A	◦	◦	Adds Pre-Wiring for Enervista Viewpoint Monitoring of EPM2000 Power metering & ATS Status using Modbus RS485 Serial Communications. Includes ATS Modbus Communications card & factory wiring of Modbus RS-485 network between EMP2000 & ATS Communications Card	-	-	-	
M90B	◦	◦	Adds Pre-Wiring for Enervista Viewpoint Monitoring of EPM2000 power metering & ATS status using Ethernet TCP/IP Communications. Includes ATS Modbus Communications card, factory wiring of Modbus RS-485 network between EMP2000 & ATS Communications Card & Multilin 'Multinet' Serial-to-Ethernet Adapter for conversion of RS485 network to Ethernet TCP/IP network.	-	-	-	
M91	◦	◦	EPM6000 True RMS Digital Meter with display (Amps, Volts, Power, Energy, Power Factory & Frequency, THD). Revenue Class (0.2%) Certified energy & demand metering. Meets ANSI C12.20 & IEC 687 Accuracy Classes. 3 Line LED Display, front IrDA Port Laptop Connection, 1 or 3 phase. Standard Modbus RTU RS485 or DNP 3.0 communications capability.	M91	◦	◦	EPM6000 True RMS Digital Meter with display (Amps, Volts, Power, Energy, Power Factory & Frequency, THD). Revenue Class (0.2%) Certified energy & demand metering. Meets ANSI C12.20 & IEC 687 Accuracy Classes. 3 Line LED Display, front IrDA Port Laptop Connection, 1 or 3 phase. Standard Modbus RTU RS485 or DNP 3.0 communications capability.
M91A	◦	◦	Adds Pre-Wiring for Enervista Viewpoint Monitoring of EPM6000 Power metering & ATS Status using Modbus RS485 Serial Communications. Includes ATS Modbus Communications card & factory wiring of Modbus RS-485 network between EMP6000 & ATS Communications Card.	-	-	-	
M91B	◦	◦	Adds Pre-Wiring for Enervista Viewpoint Monitoring of EPM6000 Power metering & ATS Status using Ethernet TCP/IP Communications. Includes ATS Modbus Communications card, factory wiring of Modbus RS-485 network between EMP6000 & ATS Communications Card & Multilin 'Multinet' Serial-to-Ethernet Adapter for conversion of RS485 network to Ethernet TCP/IP network.	-	-	-	



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