

Product Selection Guide

Controllers







Product	Integrated Controller: PID, Power Output, Limit and Communications	Temperature and Process PID Controller	Multi-Loop Controller	Profile - Ramping Controller	On-Off Controller	Over/Under Limit, Alarms	Power Switching	Operator Interface	Indicator	Communication Converter - Gateway	Data Logging	PC Software	Page
EZ-ZONE RM	✓	✓	✓	✓	✓	✓	✓				✓		213
EZ-ZONE PM	✓	✓	✓	✓	✓	✓	✓						238
EZ-ZONE ST	✓	✓		✓	✓	✓	✓						231
EZ-ZONE PM Express	✓	✓			✓	✓	✓						247
SERIES F4		✓	✓	✓	✓								261
SERIES EHG SL10	✓	✓			✓		✓						251
SERIES EHG	✓	✓			✓		✓						255
SERIES CV, CF					✓								274
SERIES LV, LF						✓							299
DIN-A-MITE A							✓						308
DIN-A-MITE B							✓						311
DIN-A-MITE C							✓						314
DIN-A-MITE D							✓						320
POWER SERIES							✓						323
QPAC							✓						328
E-SAFE II							✓						333
SERIES CZR							✓						336
SOLID STATE Relay (SSR)							✓						339
EZ-ZONE EZK RUI								✓	✓	✓			353
Silver Series								✓	✓		✓		347
SpecView											✓	✓	364
EZ-ZONE Configurator												✓	375

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The specifications in the following tables are best available values in each category. Not all combinations of these values are available in a single model number.

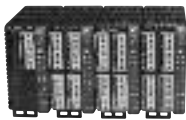





Integrated Multi-Function

	Maximum Control Loops	Maximum Limit Loops	Maximum Monitor Channels	Profiling	Mounting	Maximum Output (A)	Ambient Operating Range		Communication Protocols	Dimensions
							°F	°C		
 <p>EZ-ZONE RM See page 213</p>	152	192	256	✓	DIN-rail	15A	0 to 149	-18 to 65	Standard bus, EtherNet/IP™, DeviceNet™, PROFIBUS DP, Modbus® TCP, Modbus® RTU	Per module: 2.03 in. W x 4.41 in. H x 6.1 in. D (51.56 mm W x 44.45 mm H x 148 mm D)
 <p>EZ-ZONE ST See page 231</p>	1	1	—	✓	DIN-rail	75A	0 to 158	-18 to 70	Standard bus, Modbus® RTU	With 25 or 40A heat sink: 7.43 in. H x 2.5 in. W x 6.14 in. D (188.6 mm H x 63.5 mm W x 156 mm D) (See details for size with other options)
 <p>EZ-ZONE PM See page 238</p>	2	1	1	✓	1/32, 1/16, 1/8, 1/4 DIN front panel	15A	0 to 149	-18 to 65	Standard bus, EtherNet/IP™, DeviceNet™, PROFIBUS DP, Modbus® TCP, Modbus® RTU	Dimensions vary with DIN size
 <p>EZ-ZONE PM Express See page 247</p>	1	1	—	—	1/32, 1/16 DIN front panel	15A	0 to 149	-18 to 65	Standard bus	Dimensions vary with DIN size
 <p>SERIES EHG SL10 See page 251</p>	1	1	—	—	In-line, sub panel	10A	32 to 158	0 to 70	Modbus® RTU	3.496 in. W x 2.196 in. H x 1.907 in. D (88.80 mm W x 55.78 mm H x 48.07 mm D) without optional module
 <p>SERIES EHG See page 255</p>	1	—	—	—	In-line	10A	32 to 158	0 to 70	—	3.75 in. L x 1.85 in. Diameter (95 mm L x 47 mm Diameter)

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Temperature and Process

	Maximum Control Loops	Maximum Limit Loops	Maximum Monitor Channels	Profiling	Mounting	Maximum Output (A)	Ambient Operating Range		Communication Protocols	Dimensions
							°F	°C		
EZ-ZONE RM  See page 259	152	192	256	✓	DIN-rail	15A	0 to 149	-18 to 65	Standard bus, EtherNet/IP™, DeviceNet™, PROFIBUS DP, Modbus® TCP, Modbus® RTU	Per module: 2.03 in. W x 4.41 in. H x 6.1 in. D (51.56 mm W x 44.45 mm H x 148 mm D)
EZ-ZONE ST  See page 260	1	1	—	✓	DIN-rail	75A	0 to 158	-18 to 70	Standard bus, Modbus® RTU	With 25 or 40A heat sink: 7.43 in. H x 2.5 in. W x 6.14 in. D (188.6 mm H x 63.5 mm W x 156 mm D) (See details for size with other options)
SERIES F4 Ramping  See page 261	2	—	1	✓	¼ DIN front panel	0.5A	32 to 130	0 to 55	Modbus® RTU	3.93 in. H x 3.93 in. W x 3.85 in. D (99 mm H x 99 mm W x 97 mm D)
SERIES F4 Process  See page 267	2	—	1	—	¼ DIN front panel	0.5A	32 to 149	0 to 65	Modbus® RTU	3.93 in. H x 3.93 in. W x 3.85 in. D (99 mm H x 99 mm W x 97 mm D)
EZ-ZONE PM  See page 272	2	1	1	✓	½, ⅓, ¼, ⅙, ⅛ DIN front panel	15A	0 to 149	-18 to 65	Standard bus, EtherNet/IP™, DeviceNet™, PROFIBUS DP, Modbus® TCP, Modbus® RTU	Dimensions vary with DIN size
EZ-ZONE PM Express  See page 273	1	1	—	—	½, ⅓, ¼, ⅙, ⅛ DIN front panel	15A	0 to 149	-18 to 65	Standard bus	Dimensions vary with DIN size

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Temperature and Process

	Maximum Control Loops	Maximum Limit Loops	Maximum Monitor Channels	Profiling	Mounting	Maximum Output (A)	Ambient Operating Range		Communication Protocols	Dimensions
							°F	°C		
 SERIES CV See page 274	1	—	—	—	DIN-rail, front panel	8A	32 to 158	0 to 70	—	Front panel mount: 2.85 in. W x 2.85 in. H x 2.04 in. D (72.4 mm W x 72.4 mm H x 51.7 mm D)
 SERIES CF See page 277	1	—	—	—	DIN-rail, front panel	8A	32 to 158	0 to 70	—	Front panel mount: 2.85 in. W x 2.85 in. H x 2.04 in. D (72.4 mm W x 72.4 mm H x 51.7 mm D)
 SERIES EHG SL10 See page 280	1	—	—	—	In-line, sub panel	10A	32 to 158	0 to 70	Modbus® RTU	Without optional module: 3.496 in. W x 2.196 in. H x 1.907 in. D (88.80 mm W x 55.78 mm H x 48.07 mm D)
 SERIES EHG See page 281	1	—	—	—	—	10A	32 to 158	0 to 70	—	3.75 in. L x 1.85 in. Diameter (95.25 mm L x 47 mm Diameter)

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Limits and Alarm Scanners

	Maximum Limit Loops	Maximum Monitor Channels	Mounting	Maximum Output (A)	Ambient Operating Range		Communication Protocols	Dimensions
					°F	°C		
EZ-ZONE RM High-Density Limit  See page 285	192	192	DIN-rail	5A	0 to 149	-18 to 65	Standard bus, EtherNet/IP™, DeviceNet™, PROFIBUS DP, Modbus® TCP, Modbus® RTU	Per module: 2.03 in. W x 4.41 in. H x 6.1 in. D (51.56 mm W x 44.45 mm H x 148 mm D)
EZ-ZONE RM High-Density Scanner  See page 287	—	256	DIN-rail	5A	0 to 149	-18 to 65	Standard bus, EtherNet/IP™, DeviceNet™, PROFIBUS DP, Modbus® TCP, Modbus® RTU	Per module: 2.03 in. W x 4.41 in. H x 6.1 in. D (51.56 mm W x 44.45 mm H x 148 mm D)
EZ-ZONE PM Limit  See page 289	1	1	½, ⅙, ⅓, ¼ DIN front panel	5A	0 to 149	-18 to 65	Standard bus, EtherNet/IP™, DeviceNet™, PROFIBUS DP, Modbus® TCP, Modbus® RTU	Dimensions vary with DIN size
EZ-ZONE PM Express Limit  See page 295	1	1	½, ⅙ DIN front panel	5A	0 to 149	-18 to 65	Standard bus	Dimensions vary with DIN size
SERIES LV  See page 299	1	1	DIN-rail, front panel	8A	32 to 158	0 to 70	—	Front panel mount: 2.85 in. W x 2.85 in. H x 2.04 in. D (72.4 mm W x 72.4 mm H x 51.7 mm D)
SERIES LF  See page 302	1	1	DIN-rail, front panel	8A	32 to 158	0 to 70	—	DIN-rail mount: 3.08 in. W x 4.42 in. H x 3.57 in. D (78.1 mm W x 122.3 mm H x 90.7 mm D)

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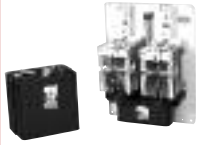



Power Switching Devices

	Maximum Current	Phase Configurations	Inputs	Output Firing	Mounting	Other Features	Ambient Operating Range		Dimensions
							°F	°C	
 See page 307	75A	1	Driven by on-board controller	Zero-cross, phase angle	DIN-rail	—	0 to 158	-18 to 70	With 25 or 40A heat sink: 7.43 in. H x 2.5 in. W x 6.14 in. D (188.6 mm H x 63.5 mm W x 156 mm D) (See details for size with other options)
 See page 308	25A	1	VAC/VDC contactor, 4-20mA	Zero-cross	DIN-rail	—	0 to 176	-18 to 80	3.7 in. H x 1.8 in. W x 3.9 in. D (95 mm H x 45 mm W x 98 mm D)
 See page 311	40A	1 or 3	VAC/VDC contactor, 4-20mA, multi-zone input	Zero-cross	DIN-rail	Shorted SCR alarm	0 to 176	-18 to 80	3.7 in. H x 3.1 in. W x 4.9 in. D (95 mm H x 80 mm W x 124 mm D)
 See page 314	80A	1 or 3	VAC/VDC contactor, 4-20mA, multi-zone input, potentiometer	Zero-cross, phase angle	DIN-rail, through wall	Shorted SCR alarm, open heater alarm on zero-cross	0 to 176	-18 to 80	DIN-rail mount, without fan: 5.45 in. H x 3.25 in. W x 5.89 in. D (138 mm H x 83 mm W x 150 mm D)
 See page 320	100A	1	VAC/VDC contactor	Zero-cross	DIN-rail	—	0 to 176	-18 to 80	7.25 in. H x 2.5 in. W x 9.4 in. D (185 mm H x 65 mm W x 240 mm D)
 See page 323	250A	1 or 3	0 to 20mA and 0-10VDC scalable, multi-zone input	Zero-cross, phase angle	Back panel	Load current monitor, soft start, heater bakeout, current limiting, shorted SCR, open heater alarm output Modbus® RTU com.	32 to 149	0 to 65	14 in. H x 7.5 in. W x 7.9 in. D (354 mm H x 191 mm W x 200 mm D)

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Power Switching Devices

	Maximum Current	Phase Configurations	Inputs	Output Firing	Mounting	Other Features	Ambient Operating Range		Dimensions
							°F	°C	
QPAC  See page 328	1000A	1 or 3	VAC/VDC contactor 4-20mA	Zero-cross, phase angle	Back panel	Open heater alarm, shorted SCR alarm	32 to 122	0 to 50	Q32 style C: 13 in. H x 13.7 in. W x 10.25 in. D (330 mm H x 350 mm W x 260 mm D) Q32 style E: 33 in. H x 21 in. W x 13.3 in. D (840 mm H x 535 mm W x 340 mm D)
E-SAFE II  See page 333	35A	1, 2 or 3	VAC/VDC contactor	Zero-cross	Back panel	—	32 to 158	0 to 70	3.82 in. H x 5.54 in. W x 1.85 in. D (97.03 mm H x 140.72 mm W x 46.99 mm D)
SERIES CZR  See page 336	42A	1	VAC/VDC contactor	Zero-cross	DIN-rail, through wall	—	176 max.	80 max.	18A models: 3.95 in. H x 0.89 in. W x 3.9 in. D (100 mm H x 22.6 mm W x 99 mm D)
Solid State Relays (SSR)  See page 339	75A	1	VAC/VDC contactor	Zero-cross	Back panel	Shorted SSR alarm	-40 to 185	-40 to 85	2.25 in. H x 1.75 in. W x 0.9 in. D (57.2 mm H x 44.5 mm W x 23 mm D)