

584 A CONTROLLER SPECIFICATION

Power Requirements:

Voltage:	115 VAC or 20 VAC \pm 15% (Jumper Selectable)	
Frequency:	47-63 Hz	
Max. Load:	450 Volt Amps	
Peak Transient:	8 Amp at 115 VAC 4 Amp at 220 VAC	

Environmental

Ambient Temperature:	Operation	Storage
	0-60 C	-40-80 C

Humidity

(non-condensing)	0% to 95% RH	0% to 95%
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Dimensions (W x H x D):

Mainframe (incl. Power Supply)	19 in x 20 in x 16 in (485 mm x 510 mm x 410 mm)	
200 Series I/O Channel	20 in x 41 in x 13.5 in (510 mm x 1045 mm x 345 mm)	
500 Series I/O Channel	40 in x 32 in x 6 in (1020 mm x 815 mm x 155 mm)	

Weight

Mainframe (incl. Power Supply)	60 lbs.	27 Kg
200 Series I/O (1 Channel)	176 lbs.	79.2 Kg
500 Series I/O (1 Channel)	136 lbs.	62 kg

584M PROGRAMMABLE CONTROLLER SPECIFICATIONS

Electrical Characteristics		
Surge Withstand Voltage		ANSI-C37 90 A, 1000 volts for 500 microseconds IEEE-472 Tesla — Coil, 50,000 volts
Radiated Susceptability Test Voltage		(RS03) per MIL-STD-U61B 115 VAC or 220 VAC $\pm 15\%$ (jumper selectable)
Frequency		47-63 Hz
Max. Load		450 Volt amps
Peak Transient		8 amps at 115 VAC 4 amps at 220 VAC
Environment		
Vibration		
Sinusoidal		0.6 G, 5 Hz to 500 Hz with 30 min dwells at up to three resonant points in three axes
Random Shock		0.29 G ² , 5 Hz to 500 Hz
Handheld		20 G, 6-11 ms
Mounted		10 G, 11 ms
Ambient Temperature		
Operation		0 to 60°C
Storage		-40 to 80°C
Relative Humidity		0% to 95%, non-condensing
Dimensions (W x H x D)		
Mainframe (inc. Power Supply)		19 in x 22 in x 16 in (485 mm x 559 mm x 410 mm)
200 Series I/O Channel		20 in x 41 in x 13.5 in (510 mm x 1045 mm x 345 mm)
Weight		
584M PC Mainframe (incl. power supply)	60 lbs	(27 Kg)
200 Series I/O (1 Channel)	176 lbs	(79.2 Kg)
Memory		
CMOS		4, 8, 12, or 16K words with 9 months battery backup
Word Size		16 bits
Communications		
Modbus		Two ports; capable of up to 19.2 kbps, up to 15,000 ft. from the master
EIA RS-232-C		Up to 32 ports; capable of 19.2 kbps
I/O Capacity		
No. of I/O		2048
No. of Channels		32 per controller (max)
I/O pts per channel		128 in/128 out discrete
I/O pts per module		8 or 16

584L PROGRAMMABLE CONTROLLER SPECIFICATIONS

Electrical Characteristics		
Surge Withstand Voltage		ANSI-C37 90 A, 1000 volts for 500 microseconds IEEE-472 Tesla — Coil, 50,000 volts
Radiated Susceptability Test		(RS03) per MIL-STD-U61B
Voltage		115 VAC or 220 VAC \pm 15% (jumper selectable)
Frequency		47-63 Hz
Max. Load		450 Volt amps
Peak Transient		8 amps at 115 VAC 4 amps at 220 VAC
Environment		
Vibration		
Sinusidal		0.6 G, 5 Hz to 500 Hz with 30 min dwells at up to three resonant points in three axes
Random		0.29 G ² , 5 Hz to 500 Hz
Shock		
Handheld		20 G, 6-11 ms
Mounted		10 G, 11 ms
Ambient Temperature		
Operation		0 to 60°C
Storage		-40 to 80°C
Relative Humidity		0% to 95%, non-condensing
Dimensions (W x H x D)		
Mainframe (incl. Power Supply)		19 in x 20 in x 16 in (485 mm x 510 mm x 410 mm)
200 Series I/O Channel		20 in x 41 in x 13.5 in (510 mm x 1045 mm x 345 mm)
Weight		
584L PC Mainframe (incl. power supply)	60 lbs.	(27 Kg)
200 Series I/O (1 Channel)	176 lbs.	(79.2 kg)
Memory		
CMOS		12, 16, or 32K with 9 months battery backup
Word Size		
Level 1		16 bits
Level 2		24 bits

584L PROGRAMMABLE CONTROLLER SPECIFICATIONS (CONT.)

Communications

Modbus

Two ports; capable of up to 19.2 kbps, up to 15,000 ft. from the master

EIA RS-232-C

Up to 32 ports; capable of 19.2 kbps

I/O Capacity

No. of I/O

2048 (Level 1), 8192 (Level 2)

No. of Channels

32 per controller (max)

I/O pts per channel

128 in/128 out discrete.

I/O pts per module

8 or 16