

# MASTER

## G4 - Fire Pump Controller Input and Output Lug Sizes

### Wall Mount Enclosure Model MCA and ECA Controllers

#### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#8-3/0
20							
25							
30							
40	#8-3/0	#8-3/0					
50	x	x	#8-3/0				
60	x	x	x				
75	x	x	x	#8-3/0			
100	x	x	x	x	#3/0-350	#8-3/0	
125	x	x	x	x	x	x	
150	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
350	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x

#### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#16-2	#16-2	#16-2	#16-2	#16-2	#16-2	#16-2
20							
25	#8-250	#8-250	#10-2				
30			#8-250				
40							
50	x	x		#10-2	#10-2	#10-2	
60	x	x	x	#8-250	#8-250		#10-2
75	x	x	x			#8-250	#8-250
100	x	x	x	x			
125	x	x	x	x	x	x	
150	x	x	x	x	x	x	x
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
350	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x

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## G4 - Fire Pump Controller Input and Output Lug Sizes

Model MCA, MCAT, MCVA, MCVAT, and ECA, ECAT, ECVA, ECVAT Controllers

### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0
20							
25							
30							
40							
50	#3/0-350	#3/0-350					
60			#3/0-350				
75	#2-500x2						
100		#2-500x2	#2-500x2	#3/0-350	#3/0-350		
125						#3/0-350	
150							#3/0-350
200	x	x		#2-500x2	#2-500x2	#2-500x2	
250	x	x	x				#2-500x2
300	x	x	x				
350	x	x	x				
400	x	x	x	x	x		

### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0
20							
25							
30							
40	#6-3/0	#6-3/0					
50			#6-3/0				
60	#6-300	#6-300					
75	#4-500	#4-500	#6-300	#6-3/0			
100			#4-500		#6-3/0	#6-3/0	
125	#2-600x2	#2-600x2		#6-300	#6-300		#6-3/0
150			#2-600x2	#4-500	#4-500	#6-300	
200	x	x				#4-500	#4-500
250	x	x	x				#4-500
300	x	x	x	#2-600x2	#2-600x2	#2-600x2	
350	x	x	x				#2-600x2
400	x	x	x	x	x		

### Wall Mount Enclosure Model MCP and ECP Controllers

#### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#8-3/0
20							
25							
30							
40	#8-3/0	#8-3/0					
50	#3/0-350	#3/0-350	#8-3/0				
60			#3/0-350				
75	x	x	x	#8-3/0			
100	x	x	x	#3/0-350	#3/0-350	#8-3/0	
125	x	x	x	x		#3/0-350	
150	x	x	x	x	x		#3/0-350
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
350	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x

#### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#16-2	#16-2	#16-2	#16-2	#16-2	#16-2	#16-2
20							
25							
30							
40	#8-250	#8-250	#8-250				
50							
60							
75	x	x	x	#10-2	#10-2	#10-2	
100	x	x	x	#8-250	#8-250	#8-250	#8-250
125	x	x	x	x			
150	x	x	x	x	x		
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
350	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x

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## G4 - Fire Pump Controller Input and Output Lug Sizes

### Model MCP, MCPT and ECP, ECPT Controllers

#### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0
20							
25							
30							
40							
50	#3/0-350	#3/0-350					
60			#3/0-350				
75	#2-500x2						
100		#2-500x2	#2-500x2	#3/0-350	#3/0-350		
125						#3/0-350	
150							#3/0-350
200	x	x		#2-500x2	#2-500x2	#2-500x2	
250	x	x	x				#2-500x2
300	x	x	x				
350	x	x	x				
400	x	x	x	x	x		

#### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0
20							
25							
30							
40							
50	#6-3/0	#6-3/0					
60							
75			#6-3/0				
100	#4-500	#4-500	#6-300				
125			#4-500	#6-3/0	#6-3/0	#6-3/0	
150							
200	x	x	#2-600x2	#6-300	#6-300	#6-300	#6-3/0
250	x	x	x	#4-500	#4-500	#4-500	#4-500
300	x	x	x				
350	x	x	x				
400	x	x	x	x	x	#2-600x2	

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## G4 - Fire Pump Controller Input and Output Lug Sizes

MCR, MCRT, MCVR, MCVRT and ECR, ECRT, ECVR, ECVRT Controllers

### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
7.5-15	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0
20							
25							
30							
40							
50	#3/0-350	#3/0-350					
60			#3/0-350				
75	#2-500x2						
100		#2-500x2	#2-500x2	#3/0-350	#3/0-350		
125						#3/0-350	
150							#3/0-350
200	x	x		#2-500x2	#2-500x2	#2-500x2	
250	x	x	x				#2-500x2
300	x	x	x				
350	x	x	x				
400	x	x	x	x	x		

### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
7.5-15	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0
20							
25							
30							
40	#6-3/0	#6-3/0					
50			#6-3/0				
60	#6-300	#6-300					
75	#4-500	#4-500	#6-300	#6-3/0			
100			#4-500		#6-3/0	#6-3/0	
125	#2-600x2	#2-600x2		#6-300	#6-300		#6-3/0
150			#2-600x2	#4-500	#4-500	#6-300	
200	x	x				#4-500	#4-500
250	x	x	x				#4-500
300	x	x	x	#2-600x2	#2-600x2	#2-600x2	
350	x	x	x				#2-600x2
400	x	x	x	x	x		

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## G4 - Fire Pump Controller Input and Output Lug Sizes

### Wall Mount Enclosure Model MCO and ECO Controllers

#### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#14-3/0	#8-3/0
20							
25							
30							
40	#8-3/0	#8-3/0					
50	#3/0-350	#3/0-350	#8-3/0				
60			#3/0-350				
75	x	x	x	#8-3/0			
100	x	x	x	#3/0-350	#3/0-350	#8-3/0	
125	x	x	x	x		#3/0-350	
150	x	x	x	x	x		#3/0-350
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
350	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x

#### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#16-2	#16-2	#16-2	#16-2	#16-2	#16-2	#16-2
20							
25							
30							
40	#8-250	#8-250	#10-2				
50			#8-250				
60							
75	x	x	x	#10-2		#10-2	
100	x	x	x	#8-250	#10-2		#10-2
125	x	x	x	x	#8-250	#8-250	#8-250
150	x	x	x	x	x		
200	x	x	x	x	x	x	x
250	x	x	x	x	x	x	x
300	x	x	x	x	x	x	x
350	x	x	x	x	x	x	x
400	x	x	x	x	x	x	x

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## G4 - Fire Pump Controller Input and Output Lug Sizes

Model MCO, MCY, MCOT, MCVT and ECO, ECV, ECOT, ECVT Controllers

### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0
20							
25							
30							
40							
50	#3/0-350	#3/0-350					
60			#3/0-350				
75	#2-500x2						
100		#2-500x2	#2-500x2	#3/0-350	#3/0-350		
125						#3/0-350	
150							#3/0-350
200	x	x		#2-500x2	#2-500x2	#2-500x2	
250	x	x	x				#2-500x2
300	x	x	x				
350	x	x	x				
400	x	x	x	x	x		

### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0
20							
25							
30							
40							
50							
60	#6-3/0	#6-3/0					
75			#6-3/0				
100	#6-300	#6-300					
125	#4-500	#4-500	#6-300				
150			#4-500	#6-3/0	#6-3/0	#6-3/0	
200	x	x					#6-3/0
250	x	x	x	#4-500	#6-300	#6-300	
300	x	x	x		#4-500	#4-500	#4-500
350	x	x	x				
400	x	x	x	x	x		

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## G4 - Fire Pump Controller Input and Output Lug Sizes

Model MCS, MCST, MCVS, MCVST and ECS, ECST, ECVS, ECVST Controllers

### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
15	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0
20							
25							
30							
40							
50	#3/0-350	#3/0-350					
60			#3/0-350				
75	#2-500x2						
100		#2-500x2	#2-500x2	#3/0-350	#3/0-350		
125						#3/0-350	
150							#3/0-350
200	x	x		#2-500x2	#2-500x2	#2-500x2	
250	x	x	x				#2-500x2
300	x	x	x				
350	x	x	x				
400	x	x	x	x	x		

### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
15	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0
20							
25							
30							
40	#6-3/0	#6-3/0					
50			#6-3/0				
60	#6-300	#6-300					
75	#4-500	#4-500	#6-300	#6-3/0			
100			#4-500		#6-3/0	#6-3/0	
125	#2-600x2	#2-600x2		#6-300	#6-300		#6-3/0
150			#2-600x2	#4-500	#4-500	#6-300	
200	x	x				#4-500	#4-500
250	x	x	x				#4-500
300	x	x	x	#2-600x2	#2-600x2	#2-600x2	
350	x	x	x				#2-600x2
400	x	x	x	x	x		



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## G4 - Fire Pump Controller Input and Output Lug Sizes

### Model MCT, MCTT and ECT, ECTT Controllers

#### INPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0	#8-3/0
20							
25							
30							
40							
50	#3/0-350	#3/0-350					
60			#3/0-350				
75	#2-500x2						
100		#2-500x2	#2-500x2	#3/0-350	#3/0-350		
125						#3/0-350	
150							#3/0-350
200	x	x		#2-500x2	#2-500x2	#2-500x2	
250	x	x	x				#2-500x2
300	x	x	x				
350	x	x	x				
400	x	x	x	x	x		

#### OUTPUT LUG SIZING

Maximum Motor HP	Motor Rated Voltage						
	200 V	208 V	230 V	380 V	415 V	460 V	575 V
3-15	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0	#14-2/0
20							
25							
30							
40	#6-3/0	#6-3/0					
50			#6-3/0				
60	#6-300	#6-300					
75	#4-500	#4-500	#6-300	#6-3/0			
100			#4-500		#6-3/0	#6-3/0	
125	#2-600x2	#2-600x2		#6-300	#6-300		#6-3/0
150			#2-600x2	#4-500	#4-500	#6-300	
200	x	x				#4-500	#4-500
250	x	x	x				#4-500
300	x	x	x	#2-600x2	#2-600x2	#2-600x2	
350	x	x	x				#2-600x2
400	x	x	x	x	x		