



Mark II<sub>6</sub> Electric Fire Pump Controllers

# Field Connections

## FTA1930

Digital Solid State Reduced Current Starting  
Line & Motor Wire Terminal Capacity

### LINE TERMINALS—WIRE CAPACITY AND QUANTITY (CU) 1

MAXIMUM MOTOR HORSEPOWER						WIRE SIZE (CU) PER PHASE	WIRE SIZE SERVICE ENTRANCE GROUND LUG (CU) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span>
200V	208V	220–240V	380–415V	440–480V	550–600V		
20	20	25	40	50	60	(1) #14 AWG—#1/0 AWG (1) 2.5 MM <sup>2</sup> —50 MM <sup>2</sup>	(2) #14 AWG—#2/0 AWG (2) 2.5 MM <sup>2</sup> —70 MM <sup>2</sup>
40	40	40	75	100	125	(1) #4 AWG—300 kcmil (1) 25 MM <sup>2</sup> —150 MM <sup>2</sup>	(2) #14 AWG—#2/0 AWG (2) 2.5 MM <sup>2</sup> —70 MM <sup>2</sup>
60	60	60	100	150	150	(1) #4 AWG—300 kcmil (1) 25 MM <sup>2</sup> —150 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
100	100	100	150	250	300	(1) 250 kcmil—500 kcmil (1) 120 MM <sup>2</sup> —240 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
---	125	125	200	---	---	(2) #3/0 AWG—250 kcmil (2) 95 MM <sup>2</sup> —120 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
200	200	250	350	500	---	(3) #2/0 AWG—400 kcmil (3) 70 MM <sup>2</sup> —200 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
250	250	300	500	600	---	(4) #4/0 AWG—500 kcmil (4) 100 MM <sup>2</sup> —240 MM <sup>2</sup>	(2) #6 AWG—250 kcmil (2) 16 MM <sup>2</sup> —120 MM <sup>2</sup>

### MOTOR TERMINALS—WIRE CAPACITY AND QUANTITY (CU) 1

MAXIMUM MOTOR HORSEPOWER						WIRE SIZE (CU) PER PHASE
200V	208V	220–240V	380–415V	440–480V	550–600V	
30	30	40	60	75	100	(1) #6 AWG—#2/0 AWG (1) 16 MM <sup>2</sup> —70 MM <sup>2</sup>
50	50	60	75	125	150	(1) #6 AWG—250 kcmil (1) 16 MM <sup>2</sup> —120 MM <sup>2</sup>
75	75	100	150	200	250	(1) #4 AWG—400 kcmil (1) 25 MM <sup>2</sup> —200 MM <sup>2</sup>
100	100	---	---	250	300	(2) #4 AWG—500 kcmil (2) 25 MM <sup>2</sup> —240 MM <sup>2</sup>
200	200	200	350	500	---	(2) 250 kcmil—500 kcmil (2) 120 MM <sup>2</sup> —240 MM <sup>2</sup>
250	250	250	450	600	---	(3) #2/0 AWG—500 kcmil (3) 70 MM <sup>2</sup> —240 MM <sup>2</sup>

- 1 FOR CORRECT WIRE SIZING, REFER TO  
*NATIONAL ELECTRICAL CODE*, NFPA 70.
- 2 WHEN REQUIRED BY AUTHORITY HAVING  
JURISDICTION.

 THIRD ANGLE PROJECTION	SIZE <b>A</b>	BY	DATE	UPDATED TITLE BLOCK				D	281239	JMW	TEF	10-12-19
	DRAWN BY	TEF	05-06-02	UPDATED LINE TERMINAL HP/VOLTAGE CHART, CHG'D TO XT4 BREAKERS				C	270091	TEF	TEF	11/30/17
	FINAL APPROVAL	TEF	05-06-02	REVISION DESCRIPTION				REV	ECN NO	BY	APP	DATE
	 © Firetrol, Inc. Not for construction. Subject to change without notice.			FIELD CONNECTIONS		FTA1930		DRAWING NUMBER <b>FC1900-51</b>				
SOLID STATE REDUCED CURRENT FIRE PUMP CONTROLLER LINE AND MOTOR FIELD WIRE TERMINAL CAPACITY						DWG REV	D	ECN NO	281239	SHEET 1 OF 1		

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