



Mark II_{GE} Electric Fire Pump Controllers

Field Connections

FTA1800

Autotransformer 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) 2
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 ² —50 MM ²	(2) #14 AWG—#2/0 AWG (2) 2.5 MM ² —70 MM ²
40	40	40	75	100	125	(1) #4 AWG—300 kcmil (1) 25 MM ² —150 MM ²	(2) #14 AWG—#2/0 AWG (2) 2.5 MM ² —70 MM ²
60	60	60	100	150	150	(1) #4 AWG—300 kcmil (1) 25 MM ² —150 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
100	100	100	150	250	300	(1) 250 kcmil—500 kcmil (1) 120 MM ² —240 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
---	125	125	200	---	---	(2) #3/0 AWG—250 kcmil (2) 95 MM ² —120 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
200	200	250	350	500	---	(3) #2/0 AWG—400 kcmil (3) 70 MM ² —200 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²
250	250	300	500	600	---	(4) #4/0 AWG—500 kcmil (4) 100 MM ² —240 MM ²	(2) #6 AWG—250 kcmil (2) 16 MM ² —120 MM ²

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 ² —70 MM ²
50	50	60	75	125	150	(1) #6 AWG—250 kcmil (1) 16 MM ² —120 MM ²
75	75	100	150	200	250	(1) #4 AWG—400 kcmil (1) 25 MM ² —200 MM ²
100	100	---	---	250	300	(2) #4 AWG—500 kcmil (2) 25 MM ² —240 MM ²
200	200	200	350	500	---	(2) 250 kcmil—500 kcmil (2) 120 MM ² —240 MM ²
250	250	300	500	600	---	(3) #2/0 AWG—500 kcmil (3) 70 MM ² —240 MM ²

1 FOR CORRECT WIRE SIZING, REFER TO
NATIONAL ELECTRICAL CODE, NFPA 70.

2 WHEN REQUIRED BY AUTHORITY HAVING
JURISDICTION.

 THIRD ANGLE PROJECTION	SIZE	A	BY	DATE	UPDATED TITLE BLOCK E 281195 JMW TEF 10-07-19				
	DRAWN BY	TEF	05-08-02	UPDATED LINE TERMINAL HP/VOLTAGE CHART, M CHG'D TO XT4 BREAKERS D 270091 TEF TEF 11/30/17					
	FINAL APPROVAL	TEF	05-08-02	REVISION DESCRIPTION REV ECN NO BY APP DATE					
	 © Firetrol, Inc. Not for construction. Subject to change without notice.				FIELD CONNECTIONS FTA1800		DRAWING NUMBER FC1800-51		
AUTOTRANSFORMER FIRE PUMP CONTROLLER LINE AND MOTOR FIELD WIRE TERMINAL CAPACITY					DWG REV E	ECN NO 281195	SHEET 1 OF 1		

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