



Mark IIx6 Limited Service Electric Fire Pump Controllers

Field Connections

FTA750

Across The Line Starting

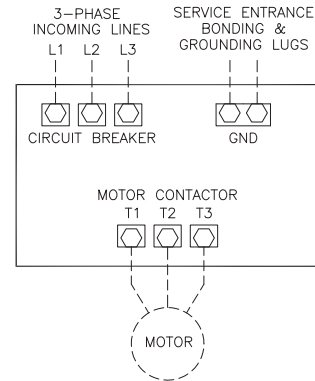
LINE TERMINALS—WIRE CAPACITY AND QUANTITY (CU) ①

MAXIMUM MOTOR HORSEPOWER		WIRE SIZE (CU) PER PHASE	WIRE SIZE SERVICE ENTRANCE GROUND LUG (CU)
200–208V	220–600V		②
25	30	(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
30	---	(1) #2 AWG—#4/0 AWG (1) 35 MM ² – 100 MM ²	(2) #14 AWG—#2/0 AWG (2) 2.5 MM ² – 70 MM ²

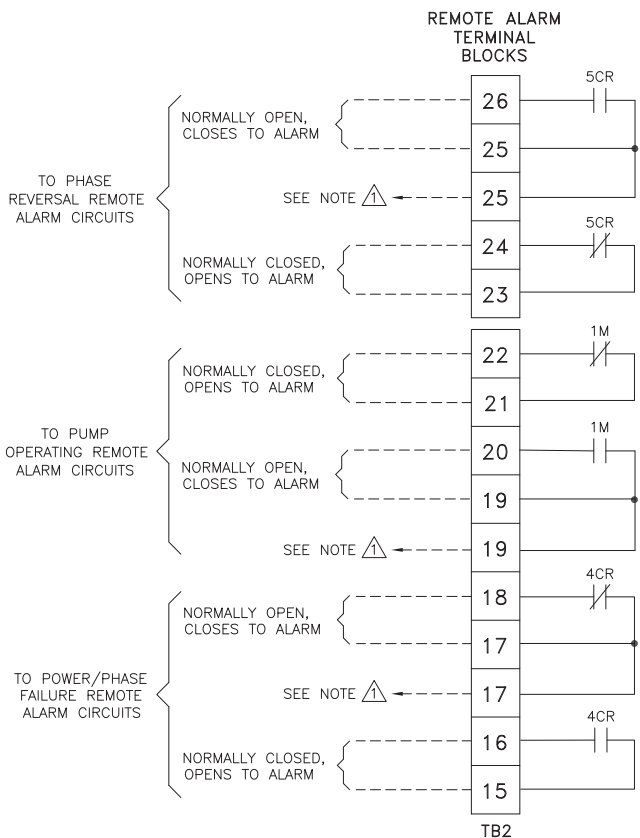
MOTOR TERMINALS—WIRE CAPACITY AND QUANTITY (CU) ①

MAXIMUM MOTOR HORSEPOWER		WIRE SIZE (CU) PER PHASE
200–208V	220–600V	
30	30	(1) #6 AWG—#2/0 AWG (1) 16 MM ² – 70 MM ²

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



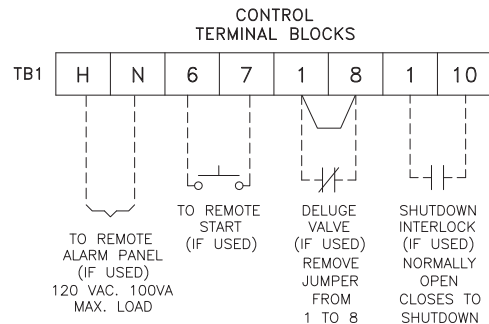
- NOTES**
- 1— Incoming line terminals are provided to accommodate wire sizes at 125% of motor full load current per NFPA 70–2002, *National Electrical Code*, Table 430–150, Section 695.6(c), and Table 310–16, 75' rated Copper conductors.
 - 2— Controller is phase rotation sensitive. Incoming lines L1, L2 and L3 must be in ABC, right hand rotation sequence for proper operation of the phase monitor.
 - 3— Motor connections shown are typical. Since motor connections vary widely, refer to the motor connection diagram for specific wiring arrangement.



△ SPARE TERMINALS PROVIDED FOR PARALLEL CONNECTION OF REMOTE ALARMS (IF REQUIRED)

NOTE: TERMINALS FOR CUSTOMER CONNECTIONS REQUIRE 3.5MM SLOTTED SCREW DRIVER

TERMINAL TIGHTENING TORQUE		
TERMINAL TYPE	WIRE SIZE	TIGHTENING TORQUE
CONTROL AND ALARM TERMINALS	#14–12 AWG [2.5–4 MM ²]	5.6 lb–in [0.6 Nm]



PRESSURE SYSTEM CONNECTION 1/2" FNPT

—NOTE—
ALARM CONTACT RATING PILOT DUTY 250 VAC, 30 VDC 10 A. MAX. LOAD

UPDATED TITLE BLOCK				A				
SIZE	BY	DATE	REVISION DESCRIPTION	REV	ECN NO	JMW	TEF	09-19-19
A	TEF	09-16-04	FIELD CONNECTIONS	FTA750				
LIMITED SERVICE FIRE PUMP CONTROLLER				DRAWING NUMBER				
				FC750-50				
				DWG REV A		ECN NO 280928		SHEET 1 OF 1

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