



Mark IIx6 IØ Limited Service Electric Fire Pump Controllers

Field Connections

FTA740/976

Single Phase Starting with Power Transfer Switch

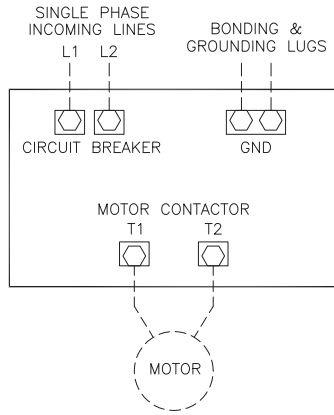
LINE TERMINALS—WIRE CAPACITY AND QUANTITY (CU) ^①

MAXIMUM MOTOR HORSEPOWER 200–240V	WIRE SIZE (CU) PER PHASE	WIRE SIZE GROUND LUG (CU)
15	(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

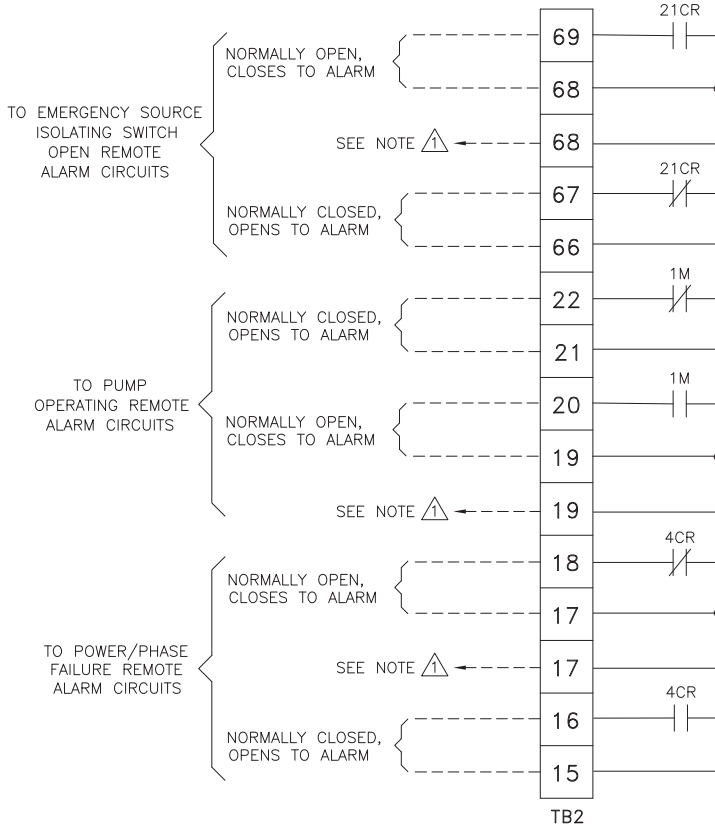
MOTOR TERMINALS—WIRE CAPACITY AND QUANTITY (CU) ^①

MAXIMUM MOTOR HORSEPOWER 200–240V	WIRE SIZE (CU) PER PHASE
15	(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.**



REMOTE ALARM TERMINAL BLOCKS



PRESSURE SYSTEM CONNECTION
1/2" FNPT

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

NOTES

1- Incoming line terminals are provided to accommodate wire sizes at 125% of motor full load current per NFPA 70, **National Electrical Code**, Table 430-248, Section 695.6(c), and Table 310-16, 75' rated Copper conductors.

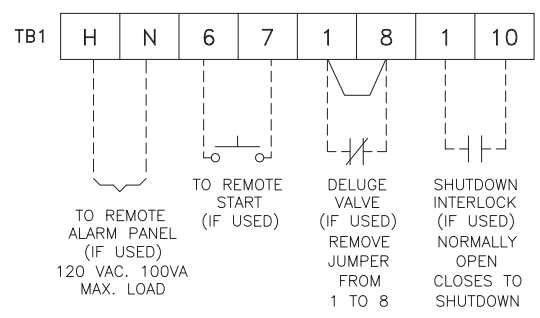
2- Motor connections shown are typical. Since motor connections vary widely, refer to the motor connection diagram for specific wiring arrangement.

[△] 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 [.6 Nm]

CONTROL TERMINAL BLOCKS



THIRD ANGLE PROJECTION	SIZE	A	BY	TEF	DATE	06-04-13
	DRAWN BY	TEF	DATE	06-04-13		
	FINAL APPROVAL	TEF	DATE	06-04-13		



UPDATED TITLE BLOCK		A	280889	JMW	TEF	09-16-19
NEW ISSUE		-	242752	TEF	TEF	06-04-13
REVISION DESCRIPTION		REV	ECN NO	BY	APP	DATE
FIELD CONNECTIONS		FTA740 WITH FTA976		DRAWING NUMBER FC740-55		
SINGLE PHASE LIMITED SERVICE CONTROLLER WITH POWER TRANSFER SWITCH		DWG REV	A	ECN NO	280889	SHEET 1 OF 1

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