A-18DF0011

LINE TERMINALS - WIRE CAPACITY AND QUANTITY [1]

MAXIMUM MOTOR HORSEPOWER				WIRE SIZE PER PHASE (75°C Cu)	TIGHTENING TORQUE (in-lb)
200-208	220-240	380-415	440-480		
30	40	60	75	(1)#14-#3/0 AWG	50
75	75	125	150	(1)#4-#350 kcmil AWG	180
100	100	150	200	(1)#250-#500 kcmil AWG	550
125	125	200	250	(2)#3/0-#250 kcmil AWG	375
150	150	250	300	(2)#3/0-#350 kcmil AWG	275
–	200	300	400	(2)#400-#500 kcmil AWG	375
250	250	400	500	(3)#3/0-#400 kcmil AWG	375
–	–	500	–	(4)#4/0-#500 kcmil AWG	375

MOTOR TERMINALS - WIRE CAPACITY AND QUANTITY [1]

MAXIMUM MOTOR HORSEPOWER				WIRE SIZE PER PHASE (75°C Cu)	TIGHTENING TORQUE (in-lb)
200-208	220-240	380-415	440-480		
20	25	40	50	(1)#8-#2 AWG	54
50	50	75	100	(1)#8-#2/0 AWG	108
100	125	150	250	(1)#6-#300 kcmil AWG	110
200	250	350	500	(2)#4-#350 kcmil AWG	375
250	–	500	–	(2)#2/0-#500 kcmil AWG	400

WIRE SIZE [2] SERVICE ENTRANCE GROUND LUG	
(2)#6-#350 kcmil AWG	
wire size	torque (in-lb)
#6-#4	110
#3-#1	150
#1/0-#2/0	180
#3/0-#4/0	250
#250-#350 kcmil	325

NOTES

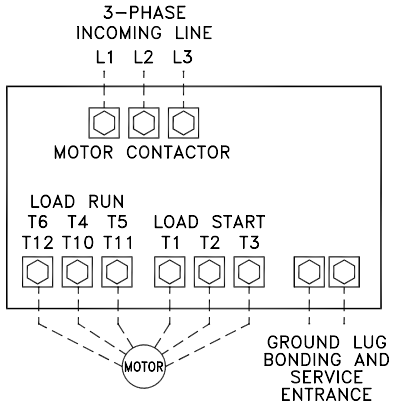
1. Incoming line terminals are provided to accommodate wire sizes at 125% of motor full load current per NFPA 20 and NFPA 70. Copper (Cu) wire is required.
2. Controller is phase rotation sensitive. Incoming lines L1, L2 and L3 must be in ABC, right hand rotation sequence for proper operation of the phase monitor.
3. Motor connections shown are typical. Since motor connections vary widely, refer to the motor manufacturer's connection diagram for specific wiring arrangement.

[1] For correct field wire sizing, refer to the National Electrical Code, NFPA-70.

[2] When required by the authority having jurisdiction.

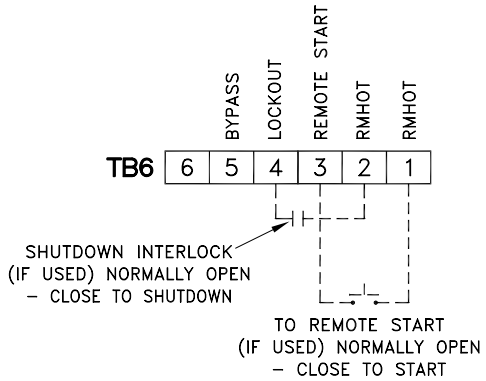
PRESSURE SYSTEM CONNECTION 1/4" NPT

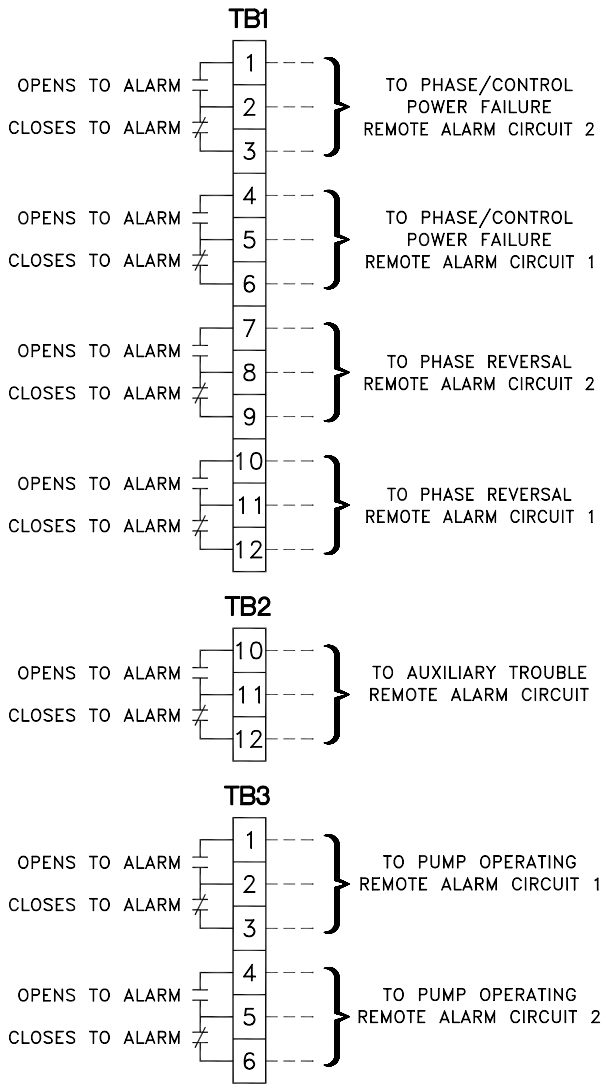
NOTE: CONTACTS RATED FOR PILOT DUTY ONLY 240 VAC, 8A MAXIMUM LOAD. EXTERNAL CONTROL WIRE #14 AWG MINIMUM RECOMMENDED.



CONTROL AND ALARM TERMINAL BLOCKS

1. CONTACTS SHOWN IN NO POWER CONDITION, PUMP OFF.
2. FOR FIRE PUMP CONTROLLER SCHEMATIC DIAGRAM, SEE DWG. NO. 18DS0011.





Rev.	DATE	BY	DESCRIPTION
E			
D			
C			
B			
A	03/06/08	DAMA	UPDATED VALUES IN LINE AND MOTOR TERMINAL TABLES.

M/L NO.
MOTION:
REF.
CADD NO. 18DF0011 | DATE 12/04/03 | DR. TR | CK. DAMA | APPR.

STANDARD LXi-1800 FIELD CONNECTIONS
WYE-DELTA CLOSED TRANSITION STARTER
FULL SERVICE FIRE PUMP CONTROLLER

Hubbell Industrial Controls, Inc.
4301 Cheyenne Drive, Archdale, N.C. 27263

DRG. NO. A-18DF0011
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