

LINE TERMINALS - WIRE CAPACITY AND QUANTITY (60/75 °C CU) 1

| MAXIMUM MOTOR HORSEPOWER | | WIRE SIZE PER PHASE | | TIGHTENING TORQUE (in-lb) | |
|--------------------------|-----------------|---|--|---------------------------|--------|
| 200-220 | 380-440-550 | 100-200K AIC | | wire size | torque |
| 208 | 240 415 480 600 | | | #12-#10 | 35 |
| 40 | 50 75 100 125 | (1)#12AWG-#3/OAWG | | #8-#3 | 100 |
| 75 | 75 150 150 200 | (1)#8AWG-350 kcmil | | #8-#1 | 200 |
| 200 | 200 350 400 400 | (2)#2/OAWG-400 kcmil* or (1)#6AWG-600 kcmil* | | #8-#3 | 275 |
| | | | | #2-600 | 375 |

MOTOR TERMINALS-WIRE CAPACITY AND QUANTITY (60/75 °C CU) 1

| MAXIMUM MOTOR HORSEPOWER | | WIRE SIZE PER PHASE | | TIGHTENING TORQUE (in-lb) | |
|--------------------------|-----------------|-----------------------|--|---------------------------|--------|
| 200-220 | 380-440-550 | | | wire size | torque |
| 208 | 240 415 480 600 | | | #12-#10 | 35 |
| 25 | 30 50 60 75 | (1)#10AWG-#1/OAWG | | #8-#3 | 100 |
| 60 | 60 125 150 150 | (1)#8AWG-#3/OAWG * | | #8-#1 | 200 |
| 75 | 100 150 200 250 | (1)#1/OAWG-500 kcmil* | | #8-#3 | 275 |
| 150 | 150 300 400 400 | (2)#2/OAWG-500 kcmil* | | #2-600 | 375 |

1 For correct field wire sizing, refer to the National Electrical Code, NFPA-70.
* Denotes 75 °C wire only.

2 When required by the authority having jurisdiction.

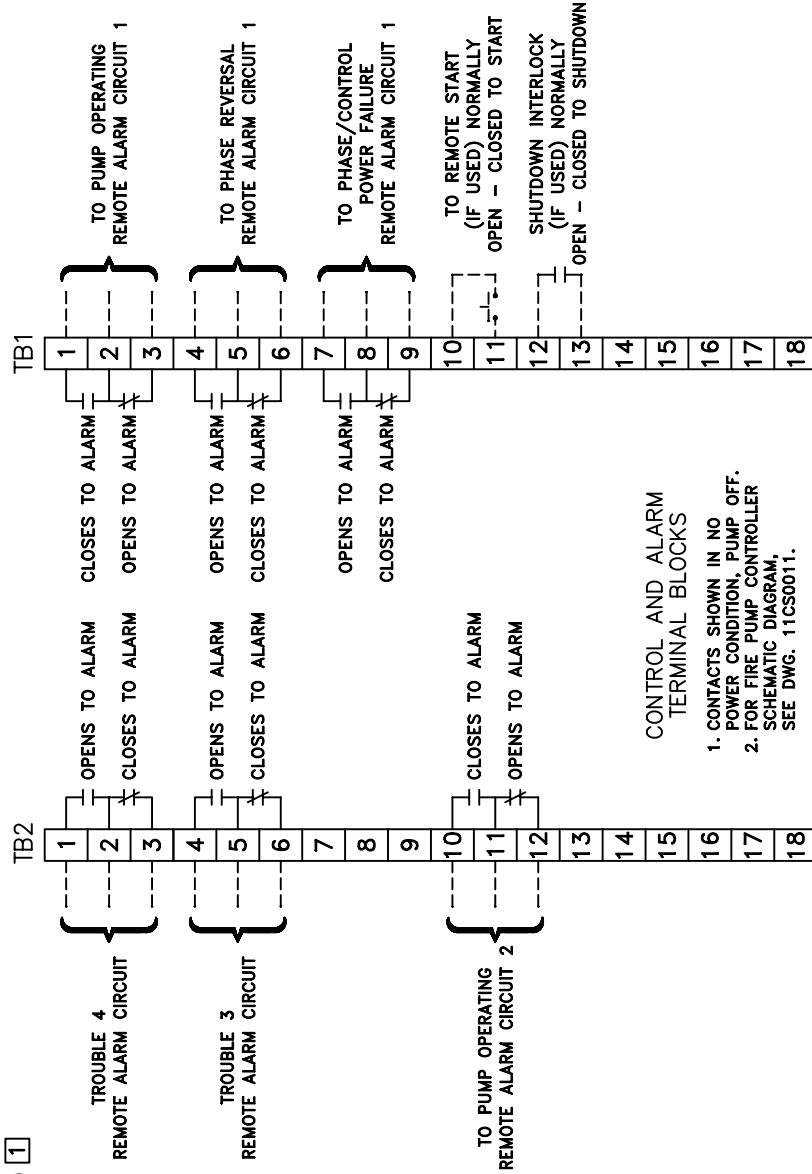
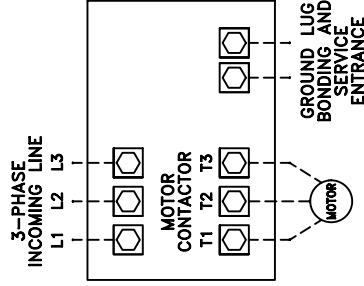
NOTES

- Incoming line terminals are provided to accommodate wire sizes at 125% of motor full load current per NFPA 70, Article 6-3.4, and NFPA 70 Tables 430-150 and 310-16. Copper (CU) wire is recommended.
- 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.
- Motor connections shown are typical. Since motor connections vary widely, refer to the motor manufacturer's connection diagram for specific wiring arrangement.

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

PRESSURE SYSTEM CONNECTION 1/4" NPT

NOTE: CONTACTS RATED FOR PILOT DUTY ONLY. 240 VAC, 5A MAXIMUM LOAD. EXTERNAL CONTROL WIRE #14 AWG MINIMUM RECOMMENDED.



CONTROL AND ALARM TERMINAL BLOCKS

- CONTACTS SHOWN IN NO POWER CONDITION, PUMP OFF.
- FOR FIRE PUMP CONTROLLER SCHEMATIC DIAGRAM, SEE DWG. 11CS0011.



STANDARD LXi-1100 FIELD CONNECTIONS
SOLID STATE SOFT START/STOP
FULL SERVICE FIRE PUMP CONTROLLER

| E | M/L NO. | DATE | BY | DESCRIPTION |
|------|----------|------|----------------------------------|-------------|
| D | | | | |
| C | 11/10/05 | DAMA | UPDATED DWG. PER ECR #A05-00035. | |
| B | 09/18/04 | TR | UPDATED TB2 CONNECTIONS. | |
| A | 10/26/02 | DAMA | ADDED TB2 AND J105 CONNECTIONS. | |
| Rev. | DATE | BY | | DESCRIPTION |

DATE 08/02/02 DR. TR

CADD NO. 11CF0011

DATE 08/02/02 DR. TR

CK: DAMA APPR.



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