



Mark II₆ Electric Fire Pump Controllers

Field Connections

FTA1500

Primary Resistor 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 | | |
| 25 | 25 | 30 | 50 | 60 | 75 | (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 | 30 | 40 | 60 | 75 | 100 | (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 |
| 50 | 50 | 60 | 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 | 75 | 75 | 125 | 150 | 200 | (1) #6 AWG—350 kcmil (1) 16 MM ² —185 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 | --- | 350 | (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 |
| 250 | 250 | 250 | 400 | 500 | 700 | (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 |
| --- | --- | 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 | 600 | (2) 250 kcmil—500 kcmil (2) 120 MM ² —240 MM ² |
| 250 | 250 | 300 | 500 | 600 | 700 | (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 <table border="1" style="float: right; font-size: 8px;"> <tr><td>B</td><td>281057</td><td>JMW</td><td>TEF</td><td>10-02-19</td></tr> </table> | | | | B | 281057 | JMW | TEF | 10-02-19 | | |
| | B | 281057 | JMW | TEF | 10-02-19 | | | | | | | | | |
| | DRAWN BY | TEF | 05-06-02 | UPDATED LOGO AND TITLE BLOCK <table border="1" style="float: right; font-size: 8px;"> <tr><td>A</td><td>226994</td><td>JC</td><td>TEF</td><td>12-09-09</td></tr> </table> | | | | A | 226994 | JC | TEF | 12-09-09 | | |
| | A | 226994 | JC | TEF | 12-09-09 | | | | | | | | | |
| FINAL APPROVAL | TEF | 05-06-02 | REVISION DESCRIPTION <table border="1" style="float: right; font-size: 8px;"> <tr><td>REV</td><td>ECN NO</td><td>BY</td><td>APP</td><td>DATE</td></tr> </table> | | | | REV | ECN NO | BY | APP | DATE | | | |
| REV | ECN NO | BY | APP | DATE | | | | | | | | | | |
| © Firetrol, Inc. Not for construction. Subject to change without notice. | | | FIELD CONNECTIONS <table border="1" style="float: right; font-size: 8px;"> <tr><td>FTA1500</td></tr> </table> | | FTA1500 | DRAWING NUMBER FC1500-51 <table border="1" style="float: right; font-size: 8px;"> <tr><td>DWG REV</td><td>ECN NO</td><td>SHEET</td></tr> <tr><td>B</td><td>281057</td><td>1 OF 1</td></tr> </table> | | | DWG REV | ECN NO | SHEET | B | 281057 | 1 OF 1 |
| FTA1500 | | | | | | | | | | | | | | |
| DWG REV | ECN NO | SHEET | | | | | | | | | | | | |
| B | 281057 | 1 OF 1 | | | | | | | | | | | | |

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