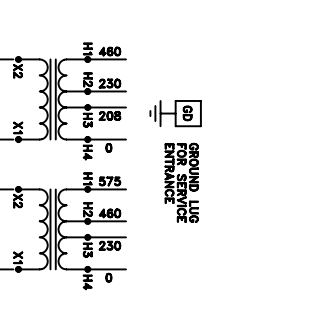


| REV | DATE     | BY   | DESCRIPTION                     |
|-----|----------|------|---------------------------------|
| A   | 07/14/03 | DAVA | ADDED LINE 4 TITLE DESCRIPTION. |
| B   |          |      |                                 |
| C   |          |      |                                 |
| D   |          |      |                                 |
| E   |          |      |                                 |

**Hubbell Industrial Controls, Inc.**  
 4501 Chesapeake Drive, Asheville, N.C. 27233  
 DRG. NO. C-45CS0011  
 1 OF 1  
 M/L NO. LX-450 AUTOMATIC TRANSFER SWITCH  
 MOTION: FOR USE IN COMBINATION WITH FIRE PUMP CONTROLLERS  
 CADD NO. 45CS0011 EMERGENCY SOURCE IS A GENERATOR SET  
 DIR. NO. LEXINGTON/LX450 DATE 08/08/02 DR. DAVA  
 CK. APPR.

- NOTES:**
1. TSN AND TSE POWER POLES ARE MECHANICALLY INTERLOCKED.
  2. CONTACTS SHOWN IN "NO POWER" STATE WITH LOAD CONNECTED TO NORMAL SOURCE (SN ACTIVATED).
  3. LOCATED IN THE LED DISPLAY OF FIRE PUMP MICRO-CONTROLLER.
- △ OPERATOR PROVIDED FOR MANUAL TRANSFER  
 ⊗ SWITCHES SHOWN OPEN TO INDICATE THAT THE RES CIRCUIT BREAKER IS OPEN.  
 REFERENCE DWGS:  
 FIELD CONNECTIONS - 45CR0011  
 WIRING DIAGRAM - 45CW0011



**STANDARD SCHEMATIC DIAGRAM**

| SYMBOL   | DESCRIPTION                            |
|----------|--|
| A1/A2    | NORMAL SIDE CONTROL POWER              |
| A1/A1Z   | NORMAL SIDE TRIP CONTROL POWER         |
| AR       | ALARM RELAY                            |
| AR1      | AUXILIARY ALARM RELAY                  |
| B1/B2    | EMERGENCY SIDE CONTROL POWER           |
| B1/B1Z   | EMERGENCY SIDE TRIP CONTROL POWER      |
| EIS      | EMERGENCY ISOLATOR SWITCH              |
| PB3      | TEST PUSHBUTTON                        |
| PB4      | BY-PASS RETRANSFER TO NORMAL P.B.      |
| PL1      | NORMAL POWER LED LIGHT, GREEN          |
| PL2      | EMERGENCY POWER LED LIGHT, RED         |
| PL3      | EMERGENCY ISOLATION PILOT LIGHT, AMBER |
| PTB1/PTB | TERMINAL BLOCK                         |
| SAS      | SILENCE ALARM SWITCH                   |
| TCSB     | TRANSFER CONTROL RELAY BOARD           |
| TR       | TIME DELAY RELAY                       |
| TSN1,2   | NORMAL SIDE AUX. CONTACTS              |
| TSN1,2   | EMERGENCY SIDE AUX. CONTACTS           |
| XFMR1    | NORMAL SIDE TRANSFORMER                |
| XFMR2    | EMERGENCY SIDE TRANSFORMER             |