



MOTOR CONNECTIONS SHOWN ARE FOR GENERAL INFORMATION ONLY. REFER TO MOTOR MANUFACTURER FOR ACTUAL MOTOR CONNECTIONS.

USE TEST AMMETER CLAMPS HERE

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STANDARD LXI-2900 SCHEMATIC DIAGRAM  
WYE-FULL OPEN TRANSITION STARTER  
FULL SERVICE FPC/ATS COMBO

M/L NO.	CADD NO.	DATE	DR. TR.	CK. DAMA APPR.
MOTION:	29DS0011	12/04/03		
REF.				
Rev.				

Rev.	DATE	SYS	BY	DESCRIPTION
E				
D				
C				
B				
A				

- NOTES:
1. SCHEMATIC SHOWN IN A "NO POWER" STATE, NORMAL WATER PRESSURE APPLIED.
  2. CUSTOMER CONNECTIONS ARE SHOWN BY MEANS OF DASHED LINES.
  3. RELAY OUTPUT CONTACTS ARE RATED 8 AMPS AT 250 VAC.
  4. MINIMUM OF 12" CLEARANCE MUST BE MAINTAINED BETWEEN PUMP ROOM FLOOR AND CURRENT CARRYING OR LIVE PARTS.
  5. EMC-1 IS NORMALLY CLOSED, HELD OPEN WHEN OFF.
  6. CONTROLLER SUITABLE FOR USE AS SERVICE EQUIPMENT.
  - \*7. NOT USED UNLESS AUDIBLE ALARM IS SUPPLIED.
  8. SHOWN FOR REFERENCE ONLY, USED WHEN SUPPLIED.
- ⊙ - CONNECT PRIMARY TAP PER LINE VOLTAGE
- REFERENCE DRAWING:  
FOR FIRE PUMP CONTROLLER FIELD CONNECTIONS, SEE DWG. NO. 29DF0011.  
FOR LX-450 ATS SCHEMATIC DIAGRAM, SEE DWG. NO. 45DS0011.

SYMBOL	DESCRIPTION
1CT,2CT,3CT	CURRENT TRANSFORMER
CB	CIRCUIT BREAKER
CRR	MOTOR CONTACTOR RELAY
CRS	PUMP START RELAY
EIS	EMERGENCY ISOLATING SWITCH
EMC-1	EMERGENCY MANUAL CONTACT
ISO	ISOLATING DISCONNECT, NORMAL
M1,M2,S1	CONTACTORS
M2b,S1b	AUXILIARY CONTACTS
PX	PRESSURE TRANSDUCER
SS	SURGE SUPPRESSOR
ST	SHUNT TRIP
TB1-6	TERMINAL PLUG, BOARD MOUNTED
TB7	TERMINAL BLOCK
XFMR3	CONTROL TRANSFORMER
SYMBOL	DESCRIPTION