



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

C-28DS0011

STANDARD LXI-2800 SCHEMATIC DIAGRAM
WYE-DELTA CLOSED TRANSITION STARTER
FULL SERVICE FPC/ATS COMBO

DATE 12/04/03 DR. TR

CK. DAMA APPR.

DRG. NO. C-28DS0011
1 OF 1

Rev.	DATE	BY	DESCRIPTION
E	12/29/06	DAMA	REVISED CONNECTIONS TO CR-1, CR-7
D	07/12/05	TR	CHANGED PER ECR #A05-0031
C	05/29/04	DAMA	ADDED TERM. NOS. TO M1, M2, S1, S2
B	04/20/04	TR	ADDED WYE-DELTA CONTACTS
A	02/16/04	DAMA	ADDED REFERENCE WIRING DIAGRAM NO. 4501 DIODES ACROSS CR & CRS RELAYS, GROUND POWER SUPPLY.

SYMBOL	DESCRIPTION
1CT,2CT,3CT	CURRENT TRANSFORMER
CB	CIRCUIT BREAKER
CRR	MOTOR CONTACTOR RELAY
CRS	PUMP START RELAY
D1,D2	FLY-BACK DIODE
EIS	EMERGENCY ISOLATING SWITCH
EMC-1	EMERGENCY MANUAL CONTACT
ISO	ISOLATING DISCONNECT, NORMAL
M1,M2,S1,S2	CONTACTORS
M2a2,M2b1,S1b1,S2b1	AUXILIARY CONTACTS
PX	PRESSURE TRANSDUCER
SS	SURGE SUPPRESSOR
ST	SHUNT TRIP
TB1-6	TERMINAL PLUG, BOARD MOUNTED
TB7	TERMINAL BLOCK
XFMR3	CONTROL TRANSFORMER

NOTES:

- SCHEMATIC SHOWN IN A "NO POWER" STATE, NORMAL WATER PRESSURE APPLIED.
- CUSTOMER CONNECTIONS ARE SHOWN BY MEANS OF DASHED LINES.
- RELAY OUTPUT CONTACTS ARE RATED 8 AMPS AT 250 VAC.
- MINIMUM OF 12" CLEARANCE MUST BE MAINTAINED BETWEEN PUMP ROOM FLOOR AND CURRENT CARRYING OR LIVE PARTS.
- EMC-1 IS NORMALLY CLOSED, HELD OPEN WHEN OFF.
- CONTROLLER SUITABLE FOR USE AS SERVICE EQUIPMENT.
- NOT USED UNLESS AUDIBLE ALARM IS SUPPLIED.
- SHOWN FOR REFERENCE ONLY. USED WHEN SUPPLIED.

● - CONNECT PRIMARY TAP PER LINE VOLTAGE

REFERENCE DRAWING:
FOR FIRE PUMP CONTROLLER FIELD CONNECTIONS, SEE DWG. NO. 28DF0011.
FOR FIRE PUMP CONTROLLER WIRING DIAGRAM, SEE DWG. NO. 45DW0011.
FOR LX-450 ATS SCHEMATIC DIAGRAM, SEE DWG. NO. 45DS0011.

