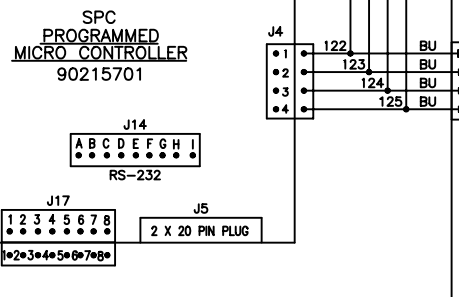
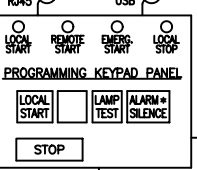
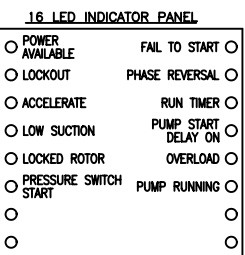


MOTOR CONNECTIONS SHOWN ARE FOR GENERAL INFORMATION ONLY. REFER TO MOTOR MANUFACTURER FOR ACTUAL MOTOR CONNECTIONS.

USE TEST AMMETER CLAMPS HERE

QUENCHARCS SEE NOTE 12



ICD INTERFACE BOARD (STANDARD) 90220701

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 10 AMPS AT 120 VAC.
4. Ma CONTACTS CLOSE WHEN M IS CLOSED. Mb CONTACTS CLOSE WHEN M IS OPEN.
5. MINIMUM OF 12" CLEARANCE MUST BE MAINTAINED BETWEEN PUMP ROOM FLOOR AND CURRENT CARRYING OR LIVE PARTS.
6. IF PHASE REVERSAL FAULT OCCURS WHEN PUMP ROTATION IS CORRECT, REVERSE WIRE NOS. 113 AND 114 ON THE J2 CONNECTOR LOCATED AT THE TOP OF SPC (FRONT) PC BOARD.
7. EMC-1 IS NORMALLY CLOSE, HELD OPEN WHEN OFF.

8. CONTROLLER SUITABLE FOR USE AS SERVICE EQUIPMENT.
9. FOR ATS SCHEMATIC SEE DWG. NO. 45CS0011.
10. NOT USED UNLESS AUDIBLE ALARM IS SUPPLIED.
11. SHOWN FOR REFERENCE ONLY. USED WHEN SUPPLIED.
12. ARC QUENCHERS ARE CONNECTED ACROSS COILS M1 AND M2.

REFERENCE DRAWINGS:

FOR FIRE PUMP CONTROLLER WIRING DIAGRAM, SEE DWG. C-90331-108.  
FOR FIRE PUMP CONTROLLER FIELD CONNECTIONS, SEE DWG. 14CF0011.

SYMBOL	DESCRIPTION
1-6CT	CURRENT TRANSFORMER
CB	CIRCUIT BREAKER
CRR	MOTOR CONTACTOR RELAY
CRS	PUMP START RELAY
D1,D2	FLY-BACK DIODE
EMC-1	EMERGENCY MANUAL CONTACT
ISO	ISOLATING DISCONNECT NORMAL
M1,M2	CONTACTORS
M1a,b	AUXILIARY CONTACTS
PX	PRESSURE TRANSDUCER
SS	SURGE SUPPRESSOR
ST	SHUNT TRIP
TB1-6	TERMINAL PLUG, BOARD MOUNTED
TB1,2,3,9	TERMINAL BLOCKS
XFMR1	CONTROL TRANSFORMER
XFMR2	THREE PHASE TRANSFORMER

REV.	DATE	BY	DESCRIPTION
E	11/10/05	DAMA	REWORKED DRAWING PER REV. 4.00
D	09/21/04	TR	UPDATED TB2 CONNECTIONS.
C	9-5-03	PS	REVISED NOTE 6
B	03/13/03	TR	ADDED "LOW SUCTION" LED INDICATOR
A	10/26/02	TR	ADDED "LOW SUCTION" LED INDICATOR

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STANDARD LXI-1400 SCHEMATIC DIAGRAM  
PRIMARY START  
FULL SERVICE FPC/ATS COMBO

DATE 10/06/02 DR. TR  
CHK. DAMA (APPR.)  
DRG. NO. C-14CS0011  
1 OF 1