



LX-1600 SCHEMATIC DIAGRAM MANUAL WOUND MOTOR FULL SERVICE FIRE PUMP CONTROLLER 5-SPEED WITH OPTION S2		DATE 02/12/03 DR. TR	CK/DAMA APPR.
M/L NO.	16CS0011	REVISED NOTE 6	PS
MOTION:		DATE	BY
REF.			
CADD NO.	16CS0011		
DRG. NO.	C-16CS0011		
	1 OF 1		

- 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. NO CONTACTS CLOSE WHEN M IS CLOSED. NO 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 QUENCHER IS CONNECTED ACROSS COIL M1.
 13. ACTUAL NUMBER OF RESISTORS MAY VARY DEPENDING ON MOTOR SECONDARY RATING.
 - ① - CONNECT PRIMARY TAP PER LINE VOLTAGE

REFERENCE DRAWINGS:
 FOR FIRE PUMP CONTROLLER WIRING DIAGRAM, SEE DWG. C-90331-108.
 FOR FIRE PUMP CONTROLLER FIELD CONNECTIONS, SEE DWG. 12CF0011.

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

OPTION S2
 MEA LABEL FOR THE CITY OF NEW YORK
 NOTE: STICK LABEL ON THE BACK OF DOOR, WHERE SPACE AVAILABLE.

SYMBOL	DESCRIPTION
CB	CIRCUIT BREAKER
CRR	MOTOR CONTACTOR RELAY
DS	DRUM SWITCH
EMC-1	EMERGENCY MANUAL CONTACT
ISO	ISOLATING DISCONNECT NORMAL CONTACTORS
M1a,b	AUXILIARY CONTACTS
PX	PRESSURE TRANSDUCER
SS	SURGE SUPPRESSOR
ST	SHUNT TRIP
TB1,2,3	TERMINAL BLOCKS
XFMR1	CONTROL TRANSFORMER
XFMR2	THREE PHASE TRANSFORMER

5-SPEED