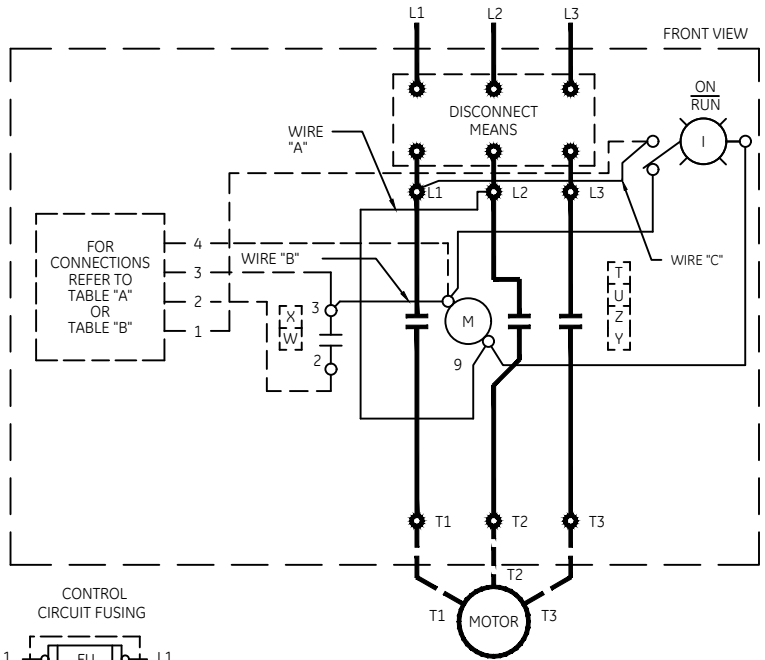


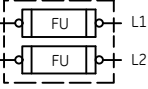
TABLE A	TABLE B
STANDARD PILOT DEVICES	OIL-TIGHT PILOT DEVICES
ON-OFF START-STOP	ON-OFF START-STOP
PUSHBUTTONS	PUSHBUTTONS
OFF ON	OFF ON
(OMIT WIRE "B")	(OMIT WIRE "B")
2 POSITION SELECTOR SWITCH	2 POSITION SELECTOR SWITCH
HAND OFF AUTO	HAND OFF AUTO
(OMIT WIRE "B")	(OMIT WIRE "B")
REMOTE DEVICE	REMOTE DEVICE
3 POSITION SELECTOR SWITCH	3 POSITION SELECTOR SWITCH

-NOMENCLATURE-
M-LINE CONTACTOR
I-INDICATING LIGHTS
FU-FUSE
X-INDICATES CONTACT CLOSED

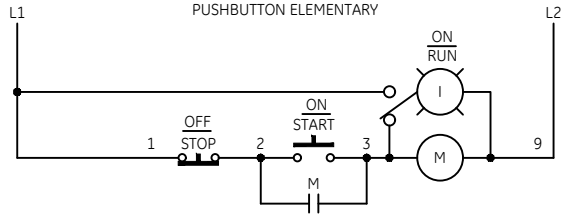
FOR SEPARATE CONTROL SOURCE- OMIT WIRE "A" AND WIRE "C". CONNECT SEPARATE CONTROL SOURCE TO 9 ON COIL AND TO 1 ON PILOT DEVICE. WIRES "A" AND "C" ARE OMITTED AT FACTORY ON ALL CONTACTORS WITH A COIL VOLTAGE OF 120V OR LESS.



CONTROL CIRCUIT FUSING



PUSHBUTTON ELEMENTARY



USE 75°C COPPER CONDUCTORS ONLY, FOR FIELD WIRING. TORQUE LINE AND LOAD TERMINALS AS MARKED OR AS SHOWN AT RIGHT:

NEMA SIZE	CONTACTOR LINE & LOAD	DISCONNECT SW LINE SIDE
2 *	50 LB-IN	50 LB-IN
3	150 LB-IN	50 LB-IN
4 **	200 LB-IN	275 LB-IN
5 ***	300 LB-IN	AS MARKED
6 ****	375 LB-IN	AS MARKED

* INCLUDES CR3CL
** INCLUDES CR3CM,N,P6-R
*** INCLUDES CR3CS
**** INCLUDES CR3CT

NOTE: REFER TO THE NATIONAL ELECTRICAL CODE. ADDITIONAL CONTROL CIRCUIT OVERCURRENT PROTECTION MAY BE REQUIRED.

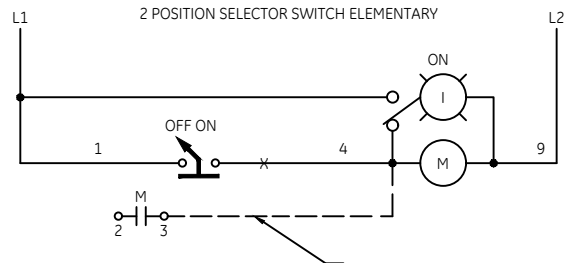
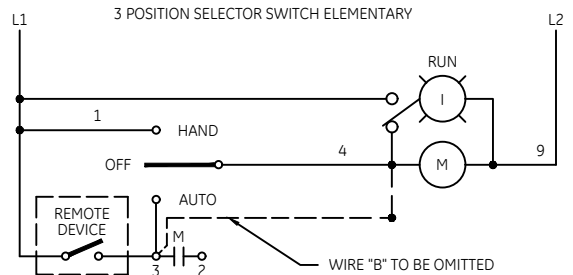
FOR 1-PHASE OPERATION-CHANGE CONNECTION OF WIRE "A" FROM L2 TO L3. CONNECT LINE TO L1 AND L3 AND LOAD TO T1 AND T3.

FOR CONTACTORS WITHOUT DISCONNECT MEANS - WIRE LINE DIRECT TO L1, L2 AND L3 ON CONTACTOR

FOR EXTRA AUXILIARY CONTACTS - A MAXIMUM OF 5 CONTACTS MAY BE ADDED AT POSITIONS T,U,W,X,Y & Z.

FOR CSA-GND KIT

1/2-IN CONDUIT	55-213403G001
3/4-IN CONDUIT	55-213403G002
1-IN CONDUIT	55-213403G003
1 1/4-IN CONDUIT	55-213403G004
1 1/2-IN CONDUIT	55-213403G005
2-IN CONDUIT	55-213403G006
2 1/2-IN CONDUIT	55-213403G007
3-IN CONDUIT	55-213403G008



WIRE "B" TO BE OMITTED

ABB

WIRING DIAGRAM
FVNR NEMA SIZE 2,3 & 4

THIRD ANGLE	SHEET#	DWG NO.	DATE	REV
	1 of 1	55-194913	02/21	09