

FUSE SELECTION CHART (MAX FUSE SIZES SHOWN)

HP	FUSE	208 V	230 V	460 V	575 V
3-25	F1/F2/F3/F4	1.6 AMPS	1.4 AMPS	0.6 AMPS	0.5 AMPS
	F5/F6/F7/F8	1.6 AMPS	1.4 AMPS	0.6 AMPS	0.5 AMPS
30	F9/F10/F11/F12	1.25 AMPS	1.25 AMPS	1.25 AMPS	1.25 AMPS
	F1/F2/F3/F4	3.5 AMPS	1.4 AMPS	0.6 AMPS	0.5 AMPS
3-30	F5/F6/F7/F8	3.5 AMPS	1.4 AMPS	0.6 AMPS	0.5 AMPS
	F9/F10/F11/F12	3.5 AMPS	1.25 AMPS	1.25 AMPS	1.25 AMPS
3-30	F13	0.7 AMP	0.7 AMP	0.7 AMP	0.7 AMP

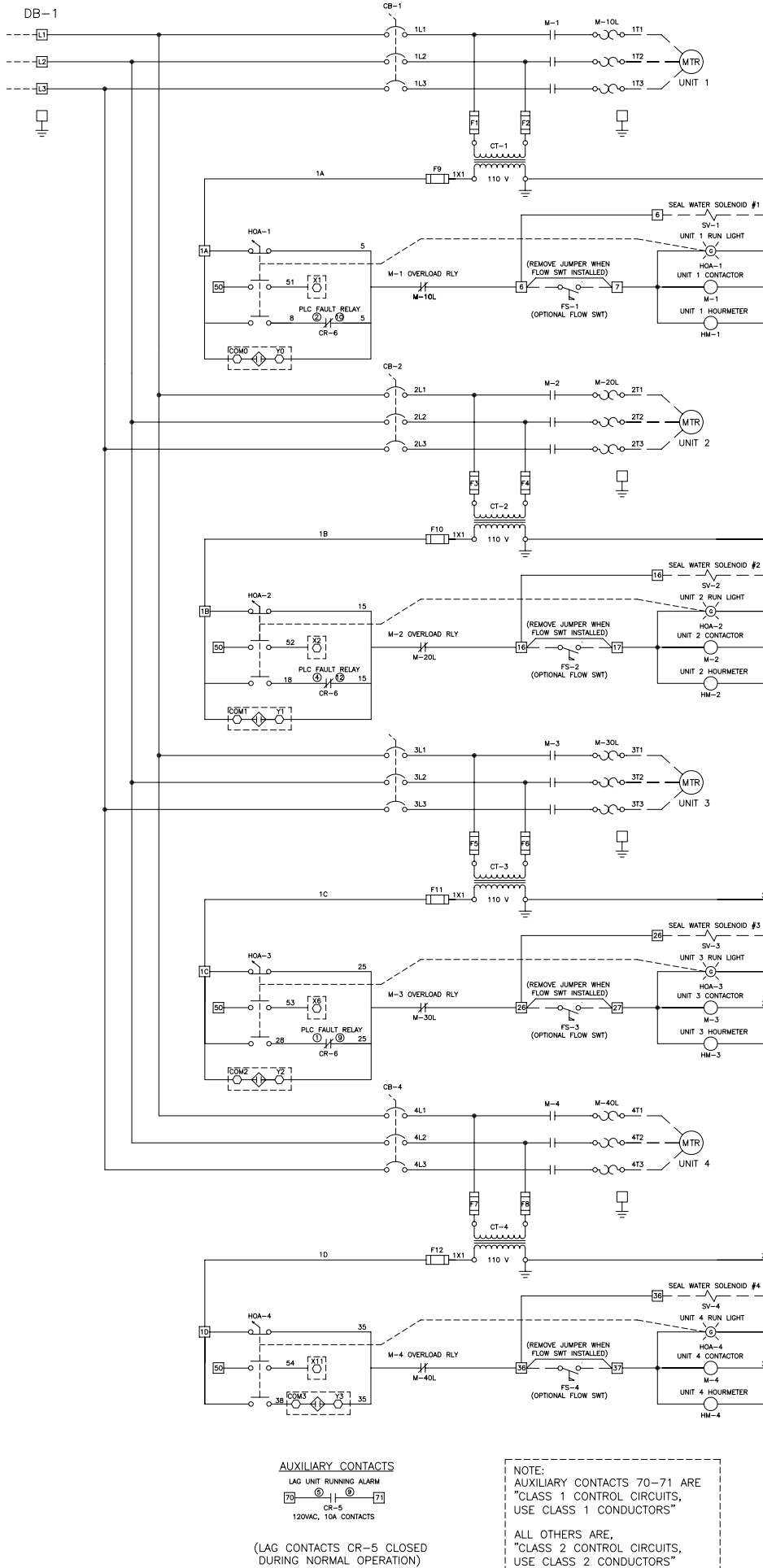
F1-F8 ARE LITELFUSE KLDK 600V TYPE
F9-F12 ARE LITELFUSE FLM 250V TYPE
F13 ARE LITELFUSE 2AG 250V TYPE

--- INDICATES FIELD WIRING OUTSIDE OF BOX

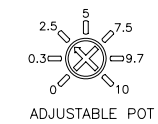
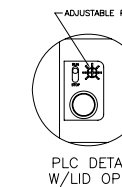
FIELD WIRING TO BE COPPER WIRE RATED FOR 75° C MINIMUM

208-575 VOLTS
3Ø
60 HZ

MAIN BRANCH DISCONNECT PROVIDED BY OTHER

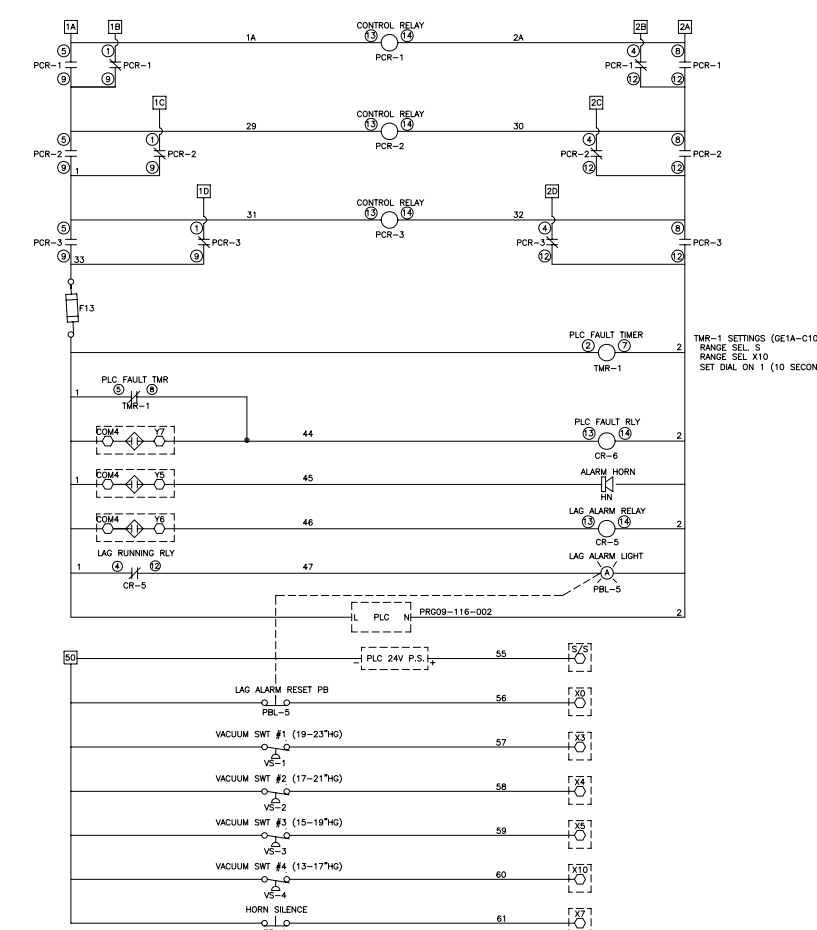


NOTE: ADJUSTABLE MINIMUM RUN TIMER IS PROVIDED IN THE PLC PROGRAM (SEE PLC DETAIL FOR ADJUSTING POT AND CHART FOR CORRECT SETTINGS).



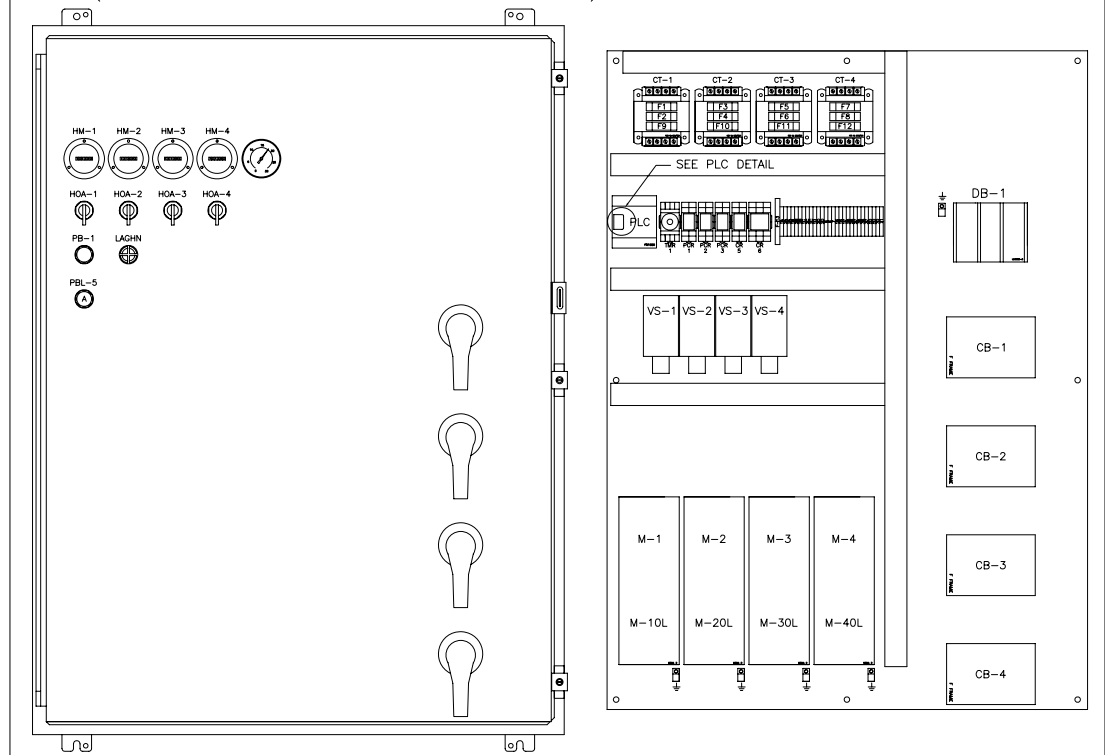
MINIMUM RUN TIMER SETTINGS

HP	SETTING
3-15	2.5
20-30	5

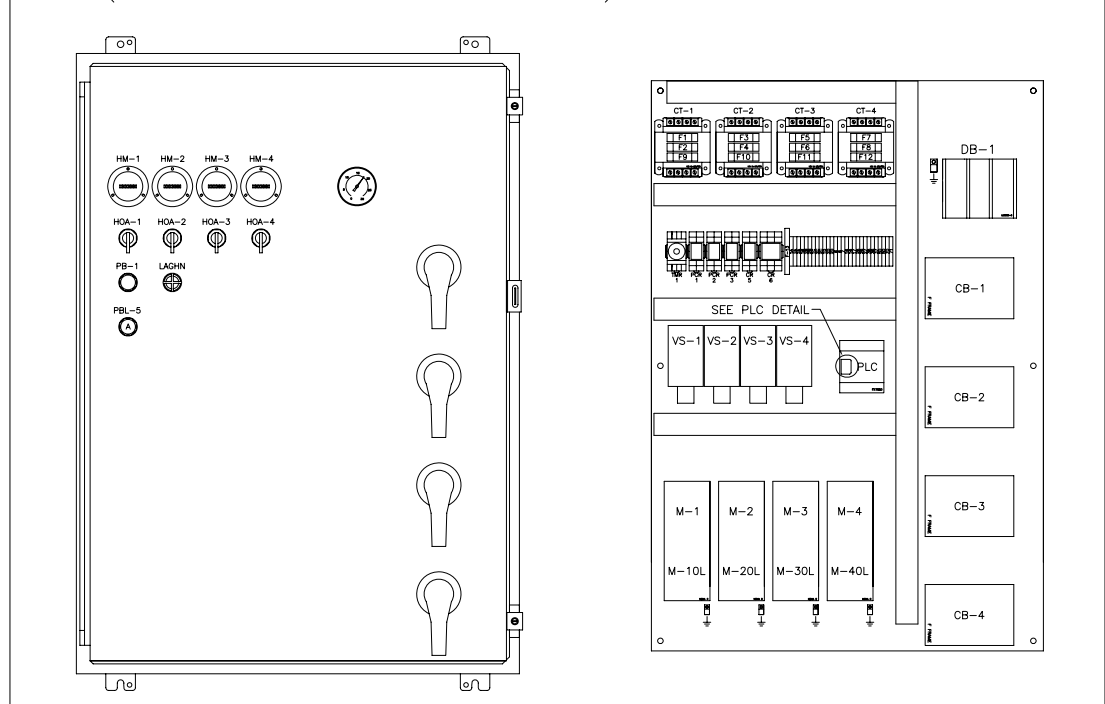


TMR-1 SETTINGS (GE1A-C10M)
RANGE SEL: 5
RANGE SEL X10
SET DIAL ON 1 (10 SECONDS)

PANEL FOR 20-30 HP 208-230 VOLTS
PANEL FOR 30 HP 230-575 VOLTS
(30 HP 208 VOLT NOT SHOWN)



PANEL FOR 3-15 HP 208-575 VOLTS
PANEL FOR 20-25 HP 460-575 VOLTS
(30 HP 208 VOLT NOT SHOWN)



INDIVIDUAL MOTOR FULL LOAD AMPERES

HP	208 V	230 V	460 V	575 V
3 HP	10.8 AMPS	9.4 AMPS	4.7 AMPS	3.8 AMPS
5 HP	16.6 AMPS	14.4 AMPS	7.2 AMPS	5.8 AMPS
7.5 HP	24.7 AMPS	21.5 AMPS	10.7 AMPS	8.6 AMPS
10 HP	30.8 AMPS	26.8 AMPS	13.4 AMPS	10.7 AMPS
15 HP	47.6 AMPS	41.4 AMPS	20.7 AMPS	16.5 AMPS
20 HP	60.7 AMPS	52.8 AMPS	26.4 AMPS	21.1 AMPS
25 HP	75.4 AMPS	65.6 AMPS	32.8 AMPS	26.2 AMPS
30 HP	90.6 AMPS	78.8 AMPS	39.4 AMPS	31.5 AMPS

QUADRUPLEX SYSTEM FULL LOAD AMPERES

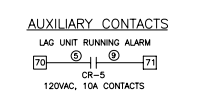
HP	208 V	230 V	460 V	575 V
3 HP	46 AMPS	40 AMPS	20 AMPS	16 AMPS
5 HP	69 AMPS	60 AMPS	31 AMPS	24 AMPS
7.5 HP	101 AMPS	88 AMPS	44 AMPS	36 AMPS
10 HP	126 AMPS	110 AMPS	55 AMPS	44 AMPS
15 HP	193 AMPS	168 AMPS	84 AMPS	67 AMPS
20 HP	245 AMPS	213 AMPS	107 AMPS	86 AMPS
25 HP	304 AMPS	264 AMPS	132 AMPS	106 AMPS
30 HP	368 AMPS	317 AMPS	159 AMPS	127 AMPS

TRANSFORMER SIZING CHART

HP	208 V	230 V	460 V	575 V
3-25	100 VA	100 VA	100 VA	100 VA
30	250 VA	100 VA	100 VA	100 VA

VACUUM SWITCH SETTINGS

ALTITUDE	VS-1	VS-2	VS-3	VS-4	RELIEF VALVE SETTING
0-3000	20-23"hg	18-21"hg	16-19"hg	15-18"hg	25"hg
3001-4000	19-22"hg	17-20"hg	15-18"hg	14-17"hg	24"hg
4001-5000	18-21"hg	16-19"hg	15-18"hg	14-17"hg	23"hg
5001-6000	17-20"hg	16-19"hg	15-18"hg	14-17"hg	22"hg
6001-7000	17-20"hg	16-19"hg	15-18"hg	14-17"hg	21"hg



(LAG CONTACTS CR-5 CLOSED DURING NORMAL OPERATION)

NOTE: AUXILIARY CONTACTS 70-71 ARE "CLASS 1 CONTROL CIRCUITS, USE CLASS 1 CONDUCTORS"
ALL OTHERS ARE, "CLASS 2 CONTROL CIRCUITS, USE CLASS 2 CONDUCTORS"

TITLE: QUADRUPLEX LIQUID RING VACUUM 3-30 HP 208/230/460/575 VOLTS

DRAWN BY: J. HORNBUCKLE DATE: 10/2/00
CHECKED BY: DATE:
REVISED BY: J. HOLLAND DATE: 09/05/08
SCALE: NTS D DIA 02 554

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DRAWING NO. REV. K