rev	change date	revision	name
a	06.02.21	Added remote multi cable 410-10620-RR	DJC
b	.	.	.
c			
d			
e			
f			
g			
h	.	.	.

naming | material no | ind | material

dwn by: PMR | Date 03.11.21 | .

scale NONE

6/3/2021 4:09 PM

ProMation

WD-858-09101.dwg

WD-858-09101

Motor Control Center 480/3/60 for P9/10

On/Off/Jog Control,with OPTIONAL TORQUE SWITCHES

REV A

Wiring Diagram

Cabinet door as viewed from the FRONT

CLOSE (120V R) RUN (120V Y) OPEN (120V G)

CLOSE STOP OPEN (L)

PWR (120V B) LOCAL OFF REMOTE (M)

CAUTION!! THE SWITCHES ON THE FACE OF THIS CABINET DO NOT FUNCTION AS SERVICE DISCONNECTS!

DOOR OPEN STOP CLOSE (L) As viewed from the back

REMOTE OFF LOCAL (M) As viewed from the back

RED BLU ORG BLK

120V Y RUN

120V G OPEN

120V R CLOSED

120V B PWR

RED BLU PUR BLK GRY PUR YEL YEL WHT BLK2 ORG BRN

1 2 3 4 5 6 7 8 9 10 11 12

NOT OPEN* 18
OPEN COM* 17
OPEN* 16
NOT CLOSED* 15
CLOSED COM* 14
CLOSED* 13
* CONNECTIONS OPTIONAL

GND
RUN CLOSED 12
RUN OPEN 11
Neu 10
Fault Out* 9
120VAC 8
Remote Ind Com* 7
Remote Ind Dry* 6
5

C ØC
B ØB
A ØA
480/3/60 LINE IN

T1 440/480 VAC : 120 VAC 120

REV Ø RELAY

10Kohm 10W R2
10Kohm 10W R1

120VAC COIL (CLOSE) MC1
120VAC COIL (OPEN) MC2

10 conductor 600v 16AWG 410-10620-RR

BLU WHT/BLK RED ORG WHT BLK ORG/BLK GRN/BLK RED/BLK GRN

Motor wiring must be to MCC and meet local and national standards

410-92483 480V/3Ø

BRN BLK RED

GND Screw

Aux switches can be direct wired to the actuator or to MCC and then actuator.

430-10100 Switch Card

AUXILIARY SWITCH (STANDARD) SW4 12 11 10
AUXILIARY SWITCH (STANDARD) SW3 9 8 7
AUXILIARY SWITCH (STANDARD) SW6 26 25 24
AUXILIARY SWITCH (STANDARD) SW5 23 22 21

ALL SWITCHES SHOWN WITH ACTUATOR IN FULL OPEN POSITION

Switch Stack Detail: SW6 SW5 SW4 SW3 SW2 SW1

SW2 SW1 J1 J2 J3 E2 HEATER E1

TSU Make NO Adjustments
TSL Optional Torque Switches

120vac Control ONLY

PHASE STATUS: DISABLE 10% 8% 6% 4% 2% UNBALANCE
TIME DELAY RESTART: 100 300 30 10 3 1 SEC
NOMINAL VOLTAGE: 460 480 440 240 230 208 220
TIME DELAY OVERVOLTAGE: 20 0.1 SEC
UNDERVOLTAGE: 95% 80%

SUGGESTED SETTINGS FOR PHASE MONITOR FOR 480VAC OPERATION.

DO NOT CHANGE SETTINGS WHEN POWER IS APPLIED.

REFER TO TROUBLESHOOTING SHEET INCLUDED WITH MCC.

3 Phase Motor Terminal Wiring

Terminal	A	B	C
230	BRN	BLU	BLK
380	BRN	WHT	BLK
440	BRN	GRY	BLK
480	RED	BRN	BLK
570	BRN	GRY	BLK

Field Wiring (by others)

Items within dotted line located inside MCC cabinet

Items within dotted line located inside actuator housing

ProMation Engineering, Inc.
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P213 ALL/3/60 MCC-(TS)

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