| rev | change date | revision | name |
|---|---|---|---|
| m | . | | |
| l | | | |
| k | | | |
| j | 03.28.16 | Fixed NO, NC for LS1, LS2. Input colors | TJM |
| i | 11.20.15 | Removed Diagnose board from On/Off units Header to HOB | TJM |
| h | 08.03.15 | Removed diagnose board | TJM |
| g | 10.23.14 | Added diagnose board and com & board detail Corrected motor wire colors | KHL |
| f | 08.23.12 | Formatting edits | KHL |

naming

| | |
|---|---|
| dwn by: | BJW |
| Date | 4.19.2012 |
| material no | . |
| ind | |
| material | |

Wiring Diagram

scale NONE

2/5/2019 11:27 AM

WD-850-B4A01.dwg

ProMation

On/Off wiring diagram for 120vac PB(O) Series CW Spring Return Actuators.

REV J

# WD-850-B4A01

0° - 5° *
5° - 90° *
COM *
85° - 90° *
0° - 85° *
COM *
* CONNECTIONS OPTIONAL

ACL
ANC
ACC
AOP
ANO
AOC

F BLK
E BRN
D WHT
C GRY
B BLU
A RED

AUXILIARY SWITCH (STANDARD)
AS4 RED CAM NO COM NC
AUXILIARY SWITCH (STANDARD)
AS3 GRN CAM NO COM NC

SPRING RTN (FULL CW)
LOAD SPRING (FULL CCW)
-5° 0° 5° 85° 90° 95°
F
E
D COM SW4
C
B
A COM SW3

15W 1K8 HEATER
7 WHT16
6
5
4
3 BLU16
1 RED16
HOT
DRV
NEU

FIELD CONTROL DEVICE LOAD
120VAC LINE IN
H
N
GND
GND Screw

WHT22 - NOT POLARIZED
24VDC Brake
4 3 2 1
250V 6.3A 5x20 FB
SA176H 408-30278
120/230:24VDC DCPS (perm attach to base PCB)
BLK16
Capacitor 18uF/250v
M
THERMAL SWITCH
120V AC DRIVE MOTOR
BLK16
RED16
RED16

LS2 NO COM RED CAM NC
GRY22 NON POLARIZED
LS1 NO COM GRN CAM NC
BLU22 NON POLARIZED
J1
J2
J3
LD2
LD1
LD3
LD4
U2

LED1 - Power
LED3 - Fully OPEN Position
LED 2 - Driving in the LOAD Direction.
LED 4 - In Spring Return and Restart Delay after Power Trip.

FIELD WIRING
INTERNAL ACTUATOR WIRING

OPEN showing in indicator window = FULLY LOADED (CCW)
CLOSED showing in indicator window = FULL SPRING RTN (CW)

**Actuator ships in the fully UNLOADED (CW) position!**

TO J1 GRY22
TO J3 BLU22
RED AS4
GRN AS3
RED LS2
GRN LS1
Switch Stack Detail

Use For:

# PB/PBO-CW-1202S4/7

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