SOFTWARE HOUSE apC/8X ACP

BELDEN 9844 x 2 OR EQUIVALENT 500' MAX

* MONITORING OF SUPERVISED INPUTS TO BE DETERMINED BY OTHERS

PIB300-2D xRLBD 2x18 12/24VDC POWER SUPPLY 120 VAC

BELDEN 9844 x 2 OR EQUIVALENT 500' MAX

* MONITORING OF SUPERVISED INPUTS TO BE DETERMINED BY OTHERS

PIM400-TD2 x RLBD 2x18 12/24VDC POWER SUPPLY 120 VAC

WPSC LOWER BOARD apC/8X P32 HOST

120VAC

BELDEN 9842

AD300 LOCK ELECTRIC HINGE

AD400 LOCK

AD300 LOCK ELECTRIC HINGE

VIN ORG/WHT
GND WHT/ORG
TDB+ WHT/BLU
TDA- BLU/WHT

INSTALL SHORTING BLOCKS ON RS485 MODULE

PIB300-2D xRLBD

BELDEN 9842

120 VAC GND NEU LINE UL 294 12/24VDC SUPPLY

J2 + -
J1

J5 GND TB+ RB+ TA- RA-

J8 STRIKE INPUT / STRIKE INPUT GND / D1/CLK / D0/DATA / GND
J7
J10 RTE / RTE / TROUBLE / TROUBLE / STATUS / STATUS / RX / RX
J11

PIM400-TD2 xRLBD

120 VAC GND NEU LINE UL 294 12/24VDC SUPPLY

J2 + -
J1

J5

J8 STRIKE INPUT / STRIKE INPUT GND / D1/CLK / D0/DATA / GND
J7
J10 RTE / RTE / TROUBLE / TROUBLE / STATUS / STATUS / RX / RX
J11

WPSC LOWER BOARD

P1
1 RED
2 GRN
3 PWR
4 D0
5 D1
6 GND

P2
1 RED
2 GRN
3 PWR
4 D0
5 D1
6 GND

P3
1 RED
2 GRN
3 PWR
4 D0
5 D1
6 GND

P4
1 RED
2 GRN
3 PWR
4 D0
5 D1
6 GND

P9
P10
P11
P12
P13
P14
P15
P16

apC/8X

P1 NO NC C
P2 NO NC C
P3
P4
P5
P6
P7
P8

BLU/WHT
WHT/ORG
WHT/BLU
ORG/WHT
WHT/GRN

BLU/WHT
WHT/ORG
WHT/BLU
ORG/WHT
WHT/GRN

NOTES:
1) ALL LOW VOLTAGE WIRING TO BE STANDARD, MULTI-CONDUCTOR COLOR CODED WITHOUT SPLICES.

2) WIRING TO CONFORM TO APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL CODES.

3) REFER TO SPECIFIC PRODUCT INSTALLATION INSTRUCTIONS FOR SPESCIFIC WIRING REQUIREMENTS.

4) THIS DRAWING IS FOR GRAPHICAL REPRESENTATION OF PRODUCTS DETAILED IN THE HARDWARE SET ONLY.

5) * CONDUCTOR COUNT TO BE DETERMINED BY ACCESS CONTROL PANEL PROVIDER.

OPERATION:
SOFTWARE HOUSE apC/8X ACP WITH ONE WPSC WILL SUPPORT UP TO FOUR PIB300/PIM400-TD2 EACH SUPPORTING ONE OR TWO AD300/AD400 FOR A MAXIMUM OF EIGHT AD300/AD400 LOCKS COMBINED PER apC/8X/WPSC.

WIRING SHOWN REFLECTS CONNECTION FOR PIM400-TD2/PIB300-2D TO WPSC/apC/8X ONLY. ADDITIONAL WIRING WILL BE REQUIRED AND IS NOT SHOWN HERE.

UL294 POWER SUPPLIES USED SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.

IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 88104 OR EQUIVALENT.

* SUPERVISED INPUTS CAN WIRE TO INPUTS ON apC/8X OR WPSC OR I/32 OR I/8 BOARDS. CONFIGURATION AND REQUIRED CONNECTIONS WILL BE DETERMINED BY OTHERS.

NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY SOFTWARE HOUSE.

ALLEGION™

TITLE: SOFTWARE HOUSE apC/8X WPSC WITH PIB300-2D/AD300 AND PIM400-TD2/AD400
109565

DATE DRAWN: 09-12-11
REVISION DATE: 11-06-13
APPROVED BY: JORGE TEIXEIRA 5-17-13
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DWG NO: 912111-2 SWHapC/8X
DRAWN/CHECKED BY: BRENDA DOVE 09/14/11
REV B