SOFTWARE HOUSE
iSTAR PRO ACM
CONTROLLER-WIEGAND

GCM

ACM

BELDEN 9844 x 2 OR EQUIVALENT   500' MAX

BELDEN 9844 x 2   500' MAX

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

PIM400-TD2 xRLBD — 2x18 — 12/24VDC POWER SUPPLY → 120 VAC

BELDEN 9842

AD300 LOCK
ELECTRIC HINGE

AD400 LOCK

AD300 LOCK
ELECTRIC HINGE

VIN
GND
TDB+
TDA-

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

INSTALL SHORTING BLOCKS ON RS485 MODULE

BELDEN 9842

PIB300-2D xRLBD

PIM400-TD2 xRLBD

120 VAC — GND NEU LINE — UL 294 12/24VDC SUPPLY — J2 — J1

J5
TB+
RB+
TA-
RA-

J8 J7 J10 J11

STRIKE INPUT
STRIKE INPUT GND
D1/CLK
D0/DATA
GND
RTE
RTE
TROUBLE
TROUBLE
STATUS
STATUS
RX
RX

TO INPUT CONNECTIONS ON ACM ✱

120 VAC — GND NEU LINE — UL 294 12/24VDC SUPPLY — J2 — J1

J8 J7 J10 J11

STRIKE INPUT
STRIKE INPUT GND
D1/CLK
D0/DATA
GND
RTE
RTE
TROUBLE
TROUBLE
STATUS
STATUS
RX
RX

J5

TO INPUT CONNECTIONS ON ACM ✱

ACCESS CONTORL MODULE (ACM)

RELAY OUTPUTS

PWR PWR
5   6
BRN BRN
GRN GRN
YEL YEL
RED RED
D1 D1
D0 D0
GND GND
PWR PWR
3   4   P19 P20

BRN BRN
GRN GRN
YEL YEL
RED RED
D1 D1
D0 D0
GND GND
PWR PWR
1   2   P17 P18

NO NC C
7
NO NC C
6
NO NC C
5
NO NC C
4
NO NC C
3
NO NC C
2
NO NC C
1

WHT/ORG
BLU/WHT
WHT/BLU

ORG/WHT
WHT/GRN

WHT/BLU
BLU/WHT
WHT/ORG
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 iSTAR CONTROLLER ACM MODULE SUPPORTS UP TO EIGHT READERS ACROSS UP TO EIGHT PIM400-TD2/PIB300-2D MODULES. iSTAR CONTROLLER CAN SUPPORT TWO ACCESS CONTROL MODULES (ACM) FOR A MAXIMUM OF SIXTEEN AD LOCKS.

WIRING SHOWN REFLECTS CONNECTION FOR PIM400-TD2/PIB300-2D TO ACM MODULE ONLY. ADDITIONAL WIRING WILL BE REQUIRED FOR ISTAR PRO THAT IS NOT SHOWN HERE.

✱ SUPERVISED INPUTS CAN WIRE TO INPUTS ON ACM OR I/8 OR R/8 BOARDS. CONNECTIONS AND CONFIGURATIONS WILL BE DETERMINED BY OTHERS.

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

UL294 SUPPLIES SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.

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

ALLEGION™

TITLE: SOFTWARE HOUSE iSTAR ACM WITH AD400 AND AD300 LOCK-WIEGAND
109563

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DWG NO: 825113-2 SWHiSTAR
REV B

DRAWN/CHECKED BY: BRENDA DOVE 09/14/11

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REVISION DATE: 11-06-13
APPROVED BY: JORGE TEIXEIRA 5-17-13