RS485 4000' MAX   BELDEN 3106A

RS485 4000' MAX   BELDEN 3106A

SOFTWARE HOUSE
iSTAR eX-PMB
CONTROLLER

10' MAX DROP BELDEN 3106A

10' MAX DROP BELDEN 3106A

UL 294
12/24VDC
POWER
SUPPLY

120
VAC

UL 294
12/24VDC
POWER
SUPPLY

120
VAC

PIM400-485

2x18

UL 294
12/24VDC
POWER
SUPPLY

120
VAC

2x18

2x18

120VAC

AD300
LOCK

ELECTRIC
HINGE

AD300
LOCK

ELECTRIC
HINGE

UP TO 200' MAX

AD400
LOCK

SOFTWARE HOUSE
iSTAR eX-PMB
CONTROLLER

BELDEN 3106A

120
VAC

GND
NEU
LINE

UL 294
12/24VDC
SUPPLY

+
-

SHIELD

ORG/WHT
WHT/ORG
BLU/WHT

J15
+12VDC
TX/RX+
TX/RX-
GND

AD300 LOCK

ELECTRIC
HINGE

AD300 LOCK

ELECTRIC
HINGE

BELDEN
3106A

+
-

UL 294
12/24VDC
SUPPLY

GND
NEU
LINE

120
VAC

BELDEN
3106A

PIM400-485

J14
+12VDC
TX/RX+
TX/RX-
GND

VIN
GND
TDB+
TDA-

VIN
GND
TDB+
TDA-

J2

J5
GND
TB+
RB+
TA-
RA-

J13
+12VDC
TX/RX+
TX/RX-
GND

INSTALL SHORTING
BLOCKS ON RS485
MODULE

INSTALL SHORTING
BLOCKS ON RS485
MODULE

BELDEN
3106A

+
-

UL 294
12/24VDC
SUPPLY

GND
NEU
LINE

120
VAC

J1

INSTALL J19 & J20 SHORTING
BLOCKS ON PIM400-485 MODULE

J8   J7   J10   J11

J12
+12VDC
TX/RX+
TX/RX-
GND

SHIELD

ORG/WHT
WHT/ORG
BLU/WHT

SHIELD

ORG/WHT
WHT/ORG
BLU/WHT

BELDEN 3106A

OPERATION:
SOFTWARE HOUSE iSTAR eX-PMB WILL SUPPORT UP TO SIXTEEN AD LOCKS MAX DISTRIBUTED
ACROSS J12 THRU J15 ON eX-PMB. EACH PIM400-485 WILL SUPPORT UP TO SIXTEEN AD400.

EARTH GROUND SHIELD ON RS485 LINE AT iSTAR eX-PMB ONLY.

WIRING SHOWN REFLECTS WIRING TO SCHLAGE AD LOCKS FROM iSTAR eX-PMB ONLY. ADDITIONAL WIRING WILL BE REQUIRED
ON SOFTWARE HOUSE iSTAR eX-PMB AND WILL NOT BE SHOWN HERE.

IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 82842 OR EQUIVALENT.

UL294 POWER SUPPLIES USED 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™