RS485 4030" MAX
BELDEN 3106A OR EQUIVALENT

12/24VDC POWER SUPPLY
2 x 18

12/24VDC POWER SUPPLY
2 x 18

12/24VDC POWER SUPPLY

SSP-EP CONTROLLER
DNA FUSION SERVER

SSP-EP CONTROLLER

UL 294
12/24VDC SUPPLY

PORT 1
TEST
TRI
PORT 2
PORT 3

TO DNA FUSION SERVER

SHIELD

WH1325G
DRAWNAT
SLIGHT

BELDEN 3106A

PIM400-485

INSTALL SHORTING BLOCKS ON RS485 MODULE

IN
GND
TB3
RSR
TC

IN
GND
TB3
RSR
TC

IN
GND
TB3
RSR
TC

OPERATION:

SSP-EP supports two RS485 data lines with up to eight either AD300/301 or PIM400-485 combined per port and a maximum of thirty-four readers per SSP-EP spread across a maximum of six AD300/301 and PIM400-485 combined.

SSP-EP port 1 connects DNA fusion server to SSP-EP and ports 2 and 3 are RS485 data lines.

Earth ground shield on belden 3106A cable at SSP-EP controller only.

UL 294 power supplies used should not bond earth ground to signal ground.

If plenum rated cable is required use belden 8642 or equivalent.

Wiring shown reflects wiring from SSP-EP to PIM400-485 and AD300/301 only. Additional wiring will be required that is not be shown here.

NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVISED AND APPROVED BY OPEN OPTIONS.

NOTE: ALL LOW VOLTAGE WIRING TO BE STANDARD, MULTI-CONDUCTOR (COLOR CODES) WITHOUT SPLICES.

NOTE: WIRING TO CONFIRM TO APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL CODES.

NOTE: REFER TO SPECIFIC PRODUCT INSTALLATION INSTRUCTIONS FOR SPECIFIC WIRING REQUIREMENTS.

NOTE: THIS DRAWING IS FOR GRAPHICAL REPRESENTATION OF PRODUCTS DETAILLED IN THE HARDWARE SET ONLY.

NOTE: CONDUCTOR COUNT TO BE DETERMINED BY ACCESS CONTROL PANEL PROVIDER.

DATE DRAWN: 09-12-11
REVISION DATE: 11-05-13
APPROVED BY: WILLIAM MURPHEY
06/11/13

copyright 2013
DRAWN/CHECKED BY: BRENDA DOVE 08/01/12