OPERATION:

EP1501 WILL SUPPORT UP TO EIGHT PIM400-485 ACROSS A SINGLE RS485 DATA LINE. EACH PIM400-485 CAN CONTROL UP TO 16 AD-400 LOCKS. EP1501 CAN HANDLE UP TO 16 AD-400 LOCKS TOTAL.

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

WIRING SHOWN REFLECTS WIRING FROM EP1501 TO PIM400-485 ONLY. ADDITIONAL WIRING WILL BE REQUIRED AND IS NOT SHOWN HERE.

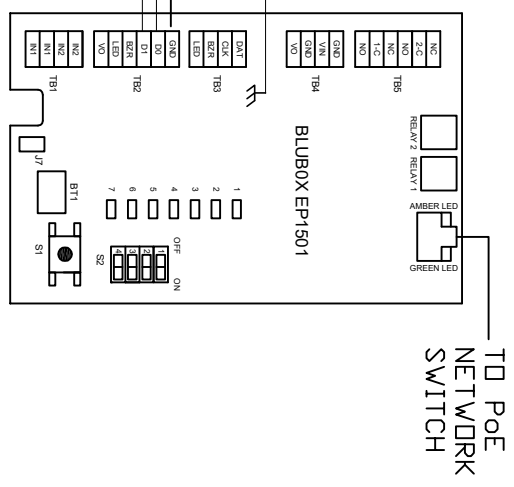NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY BLUBOX

FOR EP1501 FIRMWARE RELEASES OF LESS THAN 1.49.12 A 2.2K OHM RESISTOR SHOULD BE INSTALLED ACROSS EP1501 TB2 GND AND D0. FOR FIRMWARE 1.49.12 OR HIGHER NO RESISTOR IS REQUIRED.

RS485 2000' MAX   BELDEN 3106A OR EQUIVALENT

UP TO 200' MAX

AD400 LOCK
AD400 LOCK

PIM400-485
2x18

UL294 12/24VDC POWER SUPPLY

120 VAC

UP TO 200' MAX

AD400 LOCK
AD400 LOCK

PIM400-485
2x18

UL294 12/24VDC POWER SUPPLY

120 VAC

120 VAC
UL 294 12/24VDC SUPPLY

PIM400-485-V2

P2

SHIELD
BLU/WHT
ORG/WHT
WHT/ORG

BELDEN 3106A

120 VAC
UL 294 12/24VDC SUPPLY

PIM400-485-V2

P2

SHIELD
BLU/WHT
ORG/WHT
WHT/ORG

BELDEN 3106A

BLUBOX EP1501

TB1 IN1 IN1 IN2
TB2 V0 LED BZR D1 D0 GND
TB3 LED BZR CLK DAT
TB4 GND V0 GND VIN
TB5 NO NC I-C Z-C NO

J7
BT1
S1
S2

RELAY 2 RELAY 1
AMBER LED
GREEN LED

OFF ON

7 6 4 3 2 1

BLUBOX EP1501

PoE

PoE NETWORK SWITCH

INTERNET

TO PoE NETWORK SWITCH

BLUSKYE