



NOTES:

- 1) ALL LOW VOLTAGE WIRING TO BE STANDARD, MULTI-CONDUCTOR CORD CODED WITHOUT SPLICES.
- 2) WIRING TO CONFORM TO APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL CODES.
- 3) REFER TO SPECIFIC PRODUCT INSTALLATION INSTRUCTIONS FOR SPECIFIC 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:
 BADGE PASS BAC042500 WILL SUPPORT UP TO SIXTEEN PIM400-485 AND GWE COMBINED ACROSS TWO RS485 DATA LINES WITH NO MORE THAN EIGHT PIM400-485 AND GWE COMBINED PER RS485 DATA LINE. EACH PIM400-485 IS CAPABLE OF CONTROLLING UP TO SIXTEEN AD400 LOCK AND EACH GATEWAY CAN CONTROL UP TO 10 NDE/LE LOCKS. BAC042500 CAN HANDLE UP TO SIXTY-FOUR AD400 AND NDE/LE LOCKS TOTAL COMBINED.

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

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

WIRING SHOWN REFLECTS WIRING FROM BAC042500 TO PIM400-485 AND GWE ONLY. ADDITIONAL WIRING WILL BE REQUIRED AND IS NOT SHOWN HERE.

SHIELD ON COMMUNICATION WIRES, BELDEN 9842, SHOULD CONNECT TO EARTH GROUND AT ONE LOCATION ONLY. BAC042500.

NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY BADGE PASS.

ALLEGIION™

TITLE: BADGE PASS BAC042500 WITH PIM400-485/AD400 AND GWE/NDE/LE

DWG NO: 112244

DESIGNED BY: BRENDA DOVE

REV: A

DATE DRAWN: 06-09-17 REVISION DATE: 06-09-17 APPROVED BY: ROBBIE JEFFCOAT