



NOTE: GALAXY DOES NOT SUPPORT PIM OR GWE ADDRESS '0', SET PIM OR GWE ADDRESS TO 1 OR GREATER.

- 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 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: MAX SIXTY-FOUR AD400 OR NODELE PER GALAXY 635 CPU. EACH DSIBOARD HAS TWO RS485 PORTS EACH SUPPORTING UP TO SIXTEEN AD, NODE, LE LOCKS COMBINED. EARTH GROUND SHIELD ON BELDEN 3106A CABLE AT GALAXY 635 CONTROLLER ENCLOSURE ONLY.

WIRING SHOWN REFLECTS WIRING TO SCHEDULE PIM-485 AND GWE FROM GALAXY 635 ONLY. ADDITIONAL WIRING WILL BE REQUIRED ON THE GALAXY 635 AND WILL NOT BE SHOWN HERE. RS485 TERMINATION IS NOT TYPICALLY REQUIRED. IF YOU ARE EXPERIENCING INTERMITTENT OR ERRATIC COMMUNICATION PROBLEMS, INSTALL A 120 OHM RESISTOR AT THE BEGINNING AND AT THE END OF THE RS485 DATA LINE PARALLELLED ACROSS DATA LINES. NOTE: INCORRECTLY INSTALLED TERMINATION RESISTORS CAN CREATE MORE PROBLEMS AND SHOULD ONLY BE USED IF REQUIRED. WITH HIGH OR ENGAGE APP SET TO AND IN WPM MODES, BY DEFAULT PIM AND GWE USES 0-15. MUST BE CHANGED TO +16. F.L.O.S.D THEY WILL NOT COMMUNICATE.

UL 294 POWER SUPPLIES USED SHOULD NOT BE BOUND EARTH GROUND TO SIGNAL GROUND.

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

A PIM400-485 WILL SUPPORT UP TO SIXTEEN AD400 OR WR400 OR WS400 TOTAL. GWE CAN SUPPORT UP TO 10 NODE OR LE LOCKS COMBINED.

NOTE: CONFIGURATION HAS BEEN TESTED IN ALLEGION LABS AND HAS BEEN REVIEWED AND APPROVED BY GALAXY.

DATE DRAWN	08-24-17	REVISION DATE	04-23-18	APPROVED BY	DAN GRAMLICH
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ALLEGION™

GALAXY 635 CONTROLLER

PIM400-485/AD400 AND GWE/LE

DWG NO: 111881
 DRAWN/CHECKED BY: BRENDA DOVE 08/24/17
 REV: B