



**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:**  
 NETCONTROLLER II WILL SUPPORT UP TO SIXTY-FOUR AD400 AND AD300 LOCKS COMBINED SPREAD ACROSS A MAXIMUM OF FOUR PIM400-485 WITH A MAXIMUM OF SIXTEEN AD400 PER PIM400-485 AND NOT EXCEEDING THIRTY-TWO HARDWIRED RS485 DEVICES ( PIM400-485 AND AD300) PER CONTROLLER. ALL AD READERS WILL RESIDE ON THE SAME COMMON COMMUNICATION PORT ( COMM1 OR COMM2 ) .  
 IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 82842 OR EQUIVALENT.  
 UL294 POWER SUPPLIES SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.  
 WIRING SHOWN REFLECTS WIRING FROM NETCONTROLLER II TO PIM400-485 AND AD300 AND WRI 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 SCHNEIDER

DATE DRAWN: 09-29-11      REVISION DATE: 11-06-13      APPROVED BY: PATRICK MCNALLY 10/17/12



TITLE: SCHNEIDER ELECTRIC NETCONTROLLER II  
 PIM400-485/AD400 AND AD300  
 109149

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 DRAWN/CHECKED BY: BRENDA DOVE 09/29/11