


\* OPTIONAL UL294 POWER SUPPLY  
 \*\* AC-MER-CONT-1DR SOLD SEPARATELY FROM PIM400-1501-LC AND WILL BE INSTALLED IN THE FIELD AT TIME OF INSTALLATION

**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:**  
 PIM400-1501-LC WITH AC-MER-CONT-1DR IS CAPABLE OF COMMUNICATING WITH UP TO SIXTEEN AD400. AC-MER-CONT-1DR IS REQUIRED FOR PIM OPERATION AND IS SOLD SEPARATE FROM AVIGILON UL294 POWER SUPPLIES USED SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND. IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 98104 FOR 9844 OR 82942 FOR 3106A OR EQUIVALENTS. SHIELD ON COMMUNICATION WIRES SHOULD CONNECT TO EARTH GROUND AT ONE LOCATION. UL294 POWER SUPPLY POWERING PIM400-1501 MAY NOT BE USED IF PoE (POWERING OVER ETHERNET).  
 NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY AVIGILON.

**ALLEGION™**  


TITLE:  
 AVIGILON PIM400-1501-LC WITH AC-MER-CONT-1DR AND AD-400

DATE DRAWN: 12-31-14  
 REVISION DATE: 05-28-15  
 APPROVED BY: STEVEN LEWIS

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 DRAWN/CHECKED BY: BRENDA DOVE

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