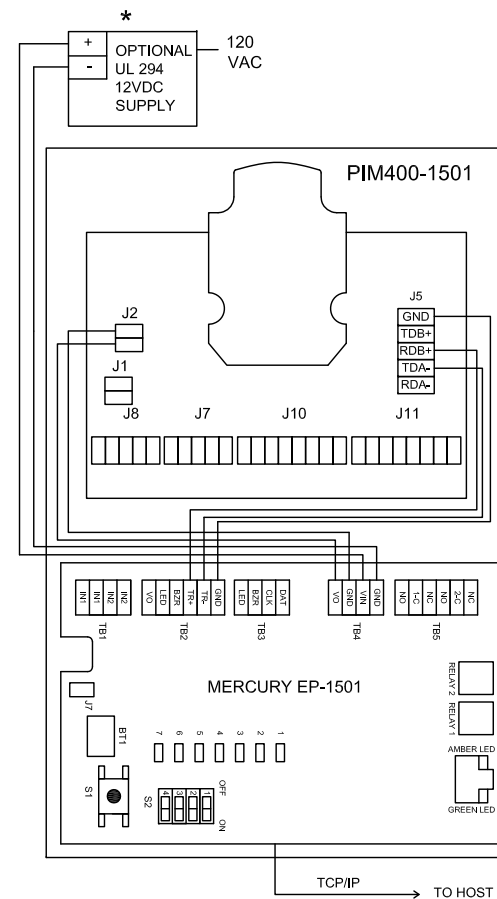


(RTE) REQUEST TO ENTER SWITCH SHOWN OPEN WITH SWITCH NOT ACTIVATED

(RX) REQUEST TO EXIT SWITCH SHOWN OPEN WITH SWITCH NOT ACTIVATED



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 CAPABLE OF COMMUNICATING WITH UP TO SIXTEEN WRI AND AD400 COMBINED.
 UL294 POWER SUPPLIES USED SHOULD NOT BOND EARTH GROUND TO SIGNAL GROUND.
 IF PLENUM RATED CABLE IS REQUIRED USE BELDEN 88104 FOR 9844 OR 82842 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) .
 LOCKING MECHANISM SHOWN MAY BE ELECTRIC STRIKE OR MAGLOCK OR GATE OPERATOR. SHOWN AS A DRY CONTACT TO SIGNAL RELEASING/OPENING OF DOOR. IF POWER IS REQUIRED EXTERNAL POWER SUPPLY WILL BE NEEDED.
 RTE AND RX SWITCH MAY BE SWITCHES IN LOCKSET OR EXTERNAL SENSORS AS SHOWN.
 NOTE: CONFIGURATION HAS NOT BEEN TESTED BY ALLEGION BUT HAS BEEN REVIEWED AND APPROVED BY JOHNSON CONTROLS.

DATE DRAWN: 07-08-13 REVISION DATE: 11-07-13 APPROVED BY: DEEPA BALAKRISHNAN 8-29-13



TITLE: JOHNSON CONTROLS MERCURY PIM400-1501/AD400 AND WRI400 109881
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 DRAWN/CHECKED BY: BRENDA DOVE 7-8-13