

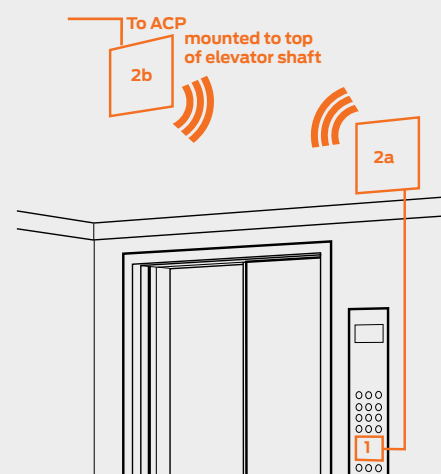
Specialty

Elevators

Restricting access via elevators to specific floors can be simplified by using wireless technology that seamlessly integrates into existing access control systems.



Benefits of the Schlage ECK400 elevator control kit



The ECK400 wireless elevator kit is ideal for retrofit applications, it eliminates the need to run traveling cables inside the elevator shaft. The reader is connected to the WRI400 on top of the cab. The WRI400 communicates over 900 MHz to the PIM400 on top of the shaft. The PIM400 is wired back to the ACP for real time monitoring.

Featured products

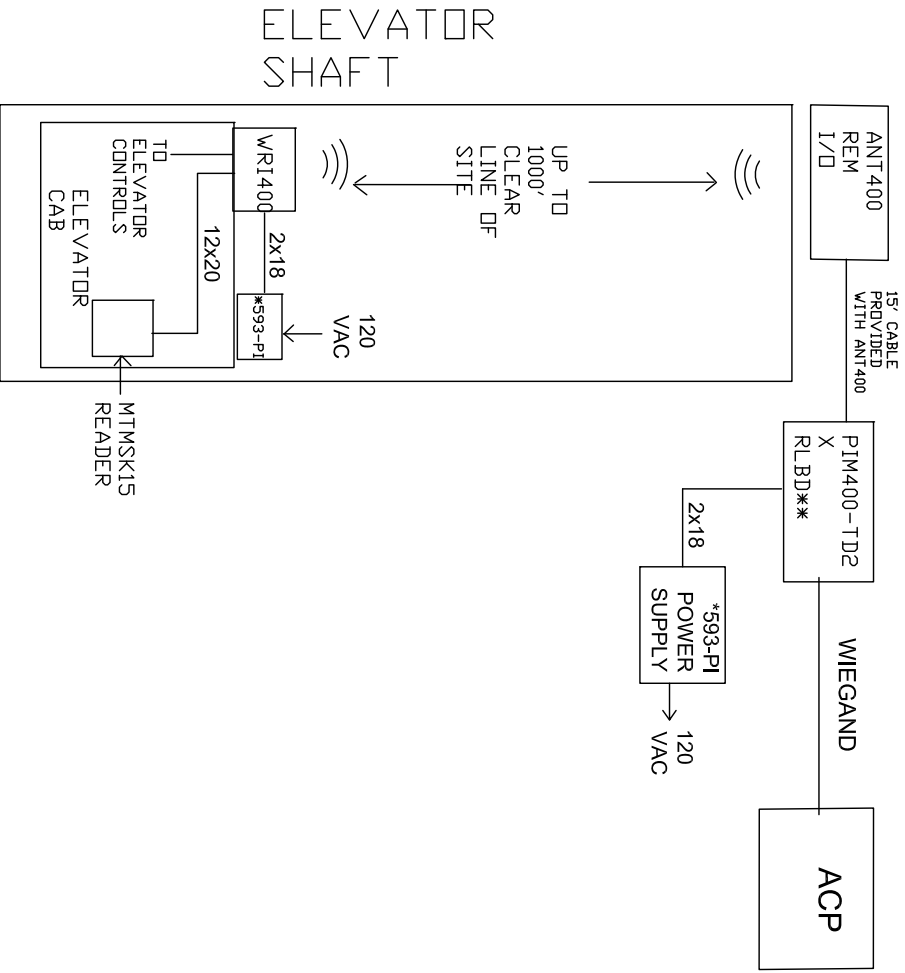
- 1 aptiQ™ MTMSK15 multi-technology reader
- 2 Schlage ECK400 wireless elevator kit which contains:
 - a Schlage WRI400 wireless reader interface (not shown)
 - b Schlage PIM400-TD2 panel interface module* (not shown)
 - c ANT400-REM-I/O remote antenna (not shown)

* See AD Series access control alliances info for specific integration details.

Ideal for

- Research facilities
- Commercial offices
- Financial institutions
- Technology companies
- Law firms

THIS DIAGRAM REPRESENTS A GENERIC CONFIGURATION. CUSTOM WIRING DIAGRAMS CAN BE ACQUIRED BY CONTACTING TECHNICAL SUPPORT.



ELEVATOR SHAFT

* 593-PI POWER SUPPLY SHOWN MAY BE SUBSTITUTED WITH UL294 12-24 VDC POWER SUPPLY.
 ** RLBDM MAY BE REQUIRED. CONSULT ACP PROVIDER TO DETERMINE IF NECESSARY

- 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.

HARDWARE USED: ECK400 WHICH INCLUDES THE FOLLOWING ANT400-REM I/D W/R1400 PIM400-TD2 593-PI 1 593-PI RLBDM-MAY NOT BE REQUIRED ** MTMSK15 APITQ READER	TYPE ECK400 ELEVATOR ACCESS CONTROL
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MTMSK15 READER AND W/R1400 RESIDE IN OR ON THE ELEVATOR CAB. ANT400-REM I/D AND PIM400-TD2 NORMALLY RESIDE AT THE TOP OF THE ELEVATOR SHAFT. READER TRANSMITS CARD DATA THROUGH W/R1400 TO PIM400-TD2 THEN BACK TO ACP. ACP DETERMINES IF ACCESS IS GRANTED AND COMMANDS ESSEB TO FLOOR BUTTONS OR DIRECT THE ELEVATOR CAB TO A SPECIFIC FLOOR. SHIELDED CABLE SHOULD BE USED FROM W/R1 TO EXTERNAL COMPONENTS. EARTH GROUND SHIELD AT W/R1400 END ONLY. RTE AND RX SWITCH ARE OPTIONAL AND MAY BE EXTERNAL PER SENSORS AS SHOWN. CONSULT SPECIFIC ACP PROVIDER TO DETERMINE IF RLBDM WILL BE REQUIRED.	DATE DRAWN 6-25-13 COPYRIGHT 2013	REVISION DATE 6-25-13
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ALLEGION™

TITLE: ELEVATORS - MTMSK15,
ECK400

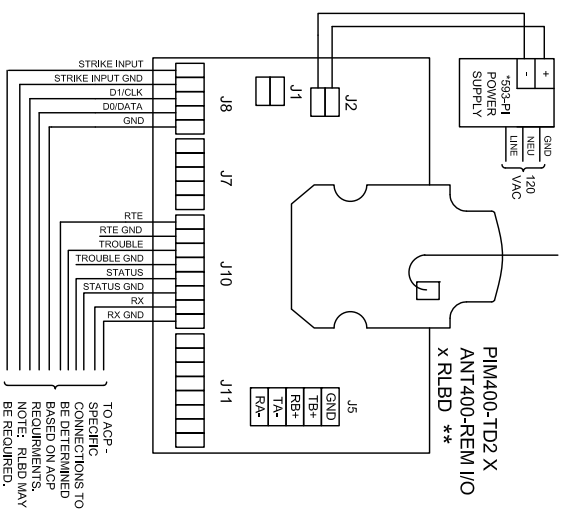
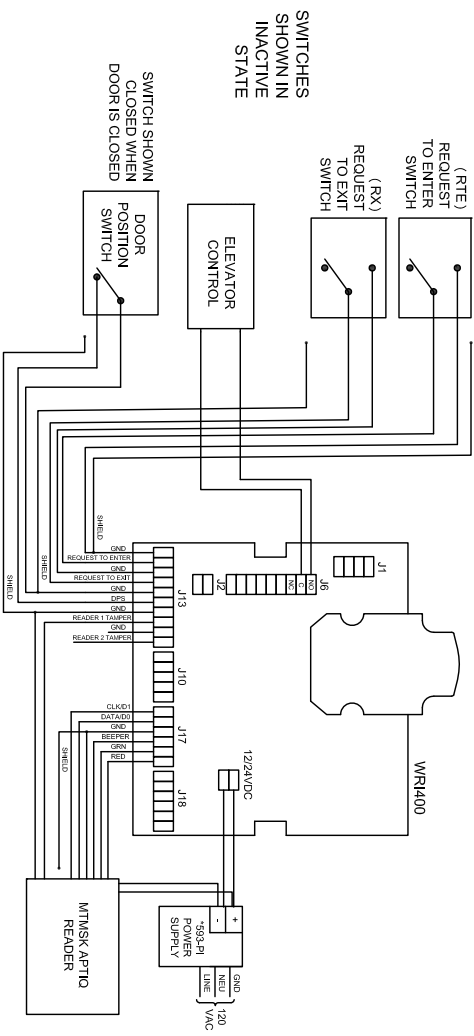
DRAWING TYPE: RISER DIAGRAM

DWG NO: 109873

DRAWN/CHECKED BY: B DOVE

REV: A

THIS DIAGRAM REPRESENTS A GENERIC CONFIGURATION. CUSTOM WIRING DIAGRAMS CAN BE ACQUIRED BY CONTACTING TECHNICAL SUPPORT.



* 593-P1 POWER SUPPLY SHOWN MAY BE SUBSTITUTED WITH UL294 12.24 VDC POWER SUPPLY.

** RLBD MAY BE REQUIRED. CONSULT ACP PROVIDER TO DETERMINE IF NECESSARY

NOTES:

- 1) ALL LOW VOLTAGE WIRING TO BE STANDARD MULTI-CONDUCTOR CABLE 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.

HARDWARE USED:

ECK400 WHICH INCLUDES THE FOLLOWING

ANT400-REM I/O

WRI400

PIM400-TD2

593-P1

RLBD-MAY NOT BE REQUIRED **

MTMSK15 APTIQ READER

TYPE

ECK400 ELEVATOR ACCESS CONTROL

MTMSK15 READER AND WRI400 RESIDE IN OR ON THE ELEVATOR CAB. ANT400-REM I/O AND PIM400-TD2 NORMALLY RESIDE AT THE TOP OF THE ELEVATOR SHAFT.

READER TRANSMITS CAB DATA THROUGH WRI400 TO PIM400-TD2 THEN BACK TO ACP. ACP DETERMINES IF ACCESS IS GRANTED AND COMMUNICATES BACK TO ELEVATOR CAB VIA SEPARATE WIRING (NOT SHOWN HERE) TO EITHER ENABLE FLOOR BUTTONS OR DIRECT THE ELEVATOR CAB TO A SPECIFIC FLOOR.

SHIELDED CABLE SHOULD BE USED FROM WRI TO EXTERNAL COMPONENTS. EARTH GROUND SHIELD AT WRI400 END ONLY.

RTE AND RX SWITCH ARE OPTIONAL, AND MAY BE EXTERNAL PR SENSORS AS SHOWN.

CONSULT SPECIFIC ACP PROVIDER TO DETERMINE IF RLBD WILL BE REQUIRED.

DATE DRAWN	6-25-13	REVISION	DATE	6-25-13
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TITLE:

ELEVATORS - MTMSK15,

ECK400

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DRAWING TYPE: WIRING DIAGRAM

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