

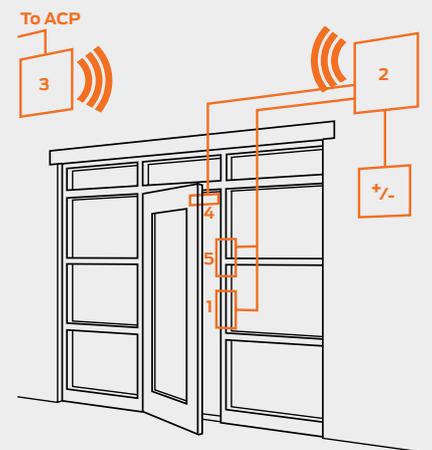
Interior openings and upgrades

# Two-story entrances

Installing electronic access control on two-story entrances can be difficult; cost and complexity are often directly related to building age and type of construction. The WRI400 wireless reader interface can be used to connect the reader to the access control system without having to run new wires up and over the ceiling.



### Benefits of WRI400 wireless reader interface



The WRI400 wireless reader interface is a networked access point controller designed to provide wireless connectivity to traditional electronic access control components, including standard Wiegand readers, door position, tamper, and request to exit switches.

### Featured products

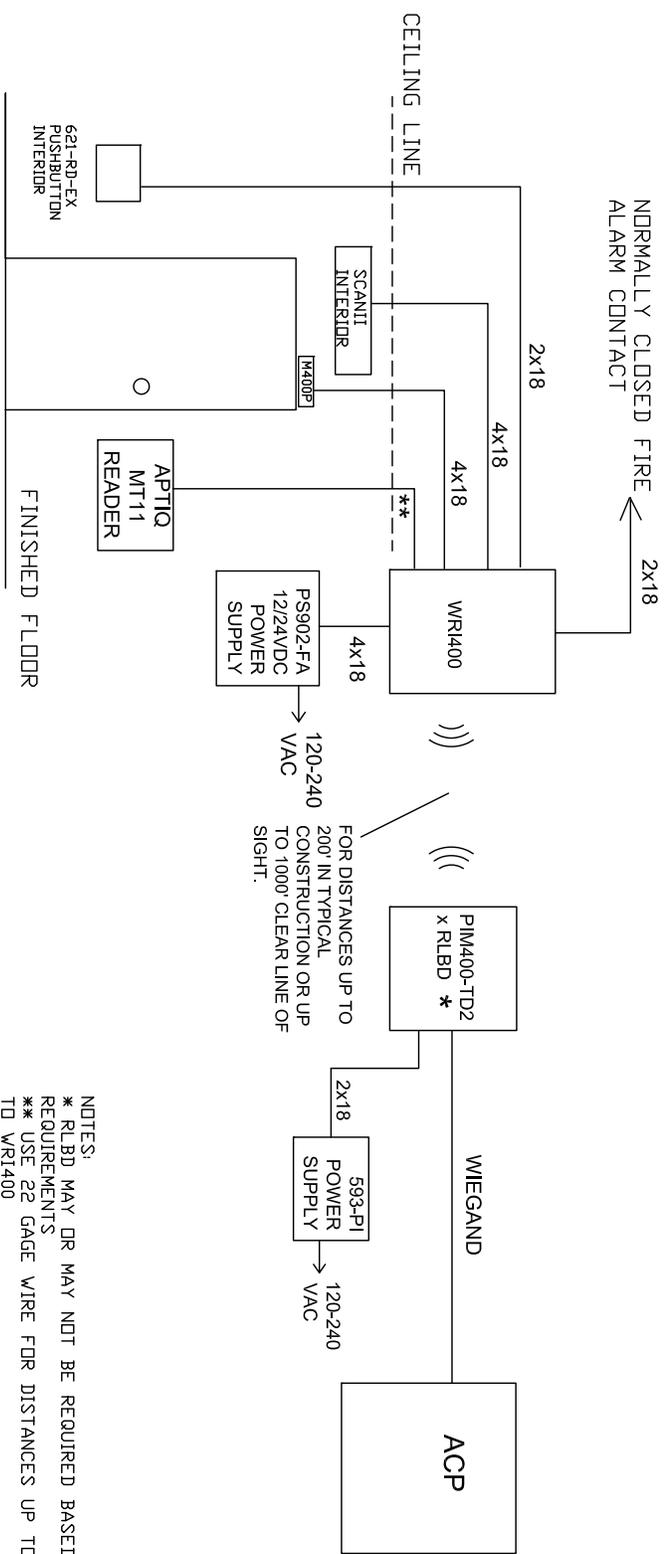
- 1 aptiQ™ MT11 multi-technology reader
- 2 Schlage WRI400 wireless reader interface (not shown)
- 3 Schlage PIM400-TD2 panel interface module\* (not shown)
- 4 Schlage M400 electromagnetic lock\*\*
- 5 Schlage 621 interior push button release (not shown)

\* See AD Series access control alliances info for specific integration details.  
 \*\* Where applicable by local code.

### Ideal for

- Commercial offices
- Medical offices
- Retail outlets

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



NOTES:  
 \* RLBID MAY OR MAY NOT BE REQUIRED BASED UPON ACP REQUIREMENTS  
 \*\* USE 22 GAUGE WIRE FOR DISTANCES UP TO 200' FROM MT11 TO WRI400

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) \* RLBID RELAY BOARD MAY OR MAY NOT BE REQUIRED, PLEASE CONSULT ACP PROVIDER FOR DETAILS.  
 6) \*\* USE 22 GAUGE WIRE FOR DISTANCES UP TO 200' MAX

HARDWARE USED:

- 1 WRI-400
- 1 PS902-FA POWER SUPPLY
- 1 M400P MAG LOCK
- 1 MT11 APTIQ READER
- 1 SCAN II MOTION SENSOR
- 1 621-RD-EX PUSH BUTTON
- 1 PIM400-TD2 X RLBID\*
- 1 593-PI POWER SUPPLY
- 1 ACP BY OTHERS
- 1 FIRE ALARM CONTACT

TYPE ACCESS CONTROL WRI-400 WIEGAND

OPERATION:  
 PRESENTING A VALID CREDENTIAL TO THE MT11 READER WILL RELEASE M400P MAG LOCK FOR AUTHORIZED ENTRANCE.  
 SCAN II MOTION SENSOR OR 621-RD-EX BUTTON WILL RELEASE M400P MAG LOCK FOR EXITING.  
 FIRE ALARM TO RELEASE M400P MAG LOCK  
 IN THIS EXAMPLE ALL CONNECTIONS ARE MADE IN WRI400 OR PIM400-TD2 ENCLOSURE.

DATE DRAWN: 6-10-13 REVISION DATE: 6-10-13

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**ALLEGION™**

TWO-STORY ENTRANCES  
 - MT11, WRI400

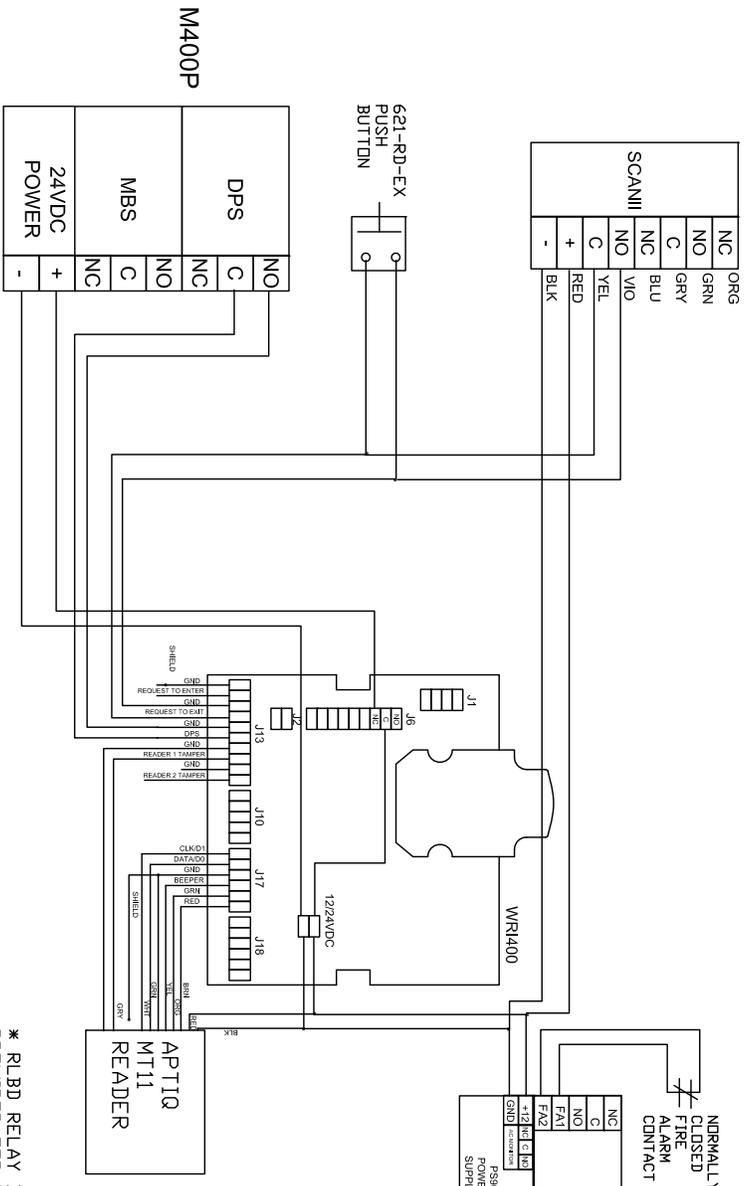
DRAWING TYPE: RISER DIAGRAM

DWG NO.: 109862

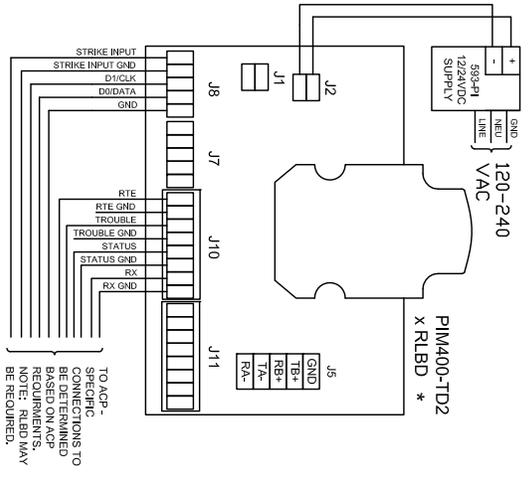
DRAWN/CHECKED BY: B DOVE

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



\* RLBD RELAY BOARD MAY OR MAY NOT BE REQUIRED, PLEASE CONSULT ACP PROVIDER FOR DETAILS.  
 \*\* USE 22 GAUGE WIRE FOR DISTANCES UP TO 200' FROM MTKIS TO WRI400



**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.  
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 5) \* RLBD RELAY BOARD MAY OR MAY NOT BE REQUIRED, PLEASE CONSULT ACP PROVIDER FOR DETAILS.

**HARDWARE USED:**

1	WRI-400
1	PS902-FA POWER SUPPLY
1	M400P MAG LOCK
1	MT11 AP110 READER
1	SCAN II MOTION SENSOR
1	620-RD-EX PUSH BUTTON
1	PIM400-TD2 X RLBD*
1	593-PI POWER SUPPLY
1	ACP BY OTHERS
1	FIRE ALARM CONTACT

**OPERATION:**

PRESENTING A VALID CREDENTIAL TO THE MT11 READER WILL RELEASE M400P MAG LOCK FOR AUTHORIZED ENTRANCE.  
 SCAN II MOTION SENSOR OR 621-RD-EX BUTTON WILL RELEASE M400P MAG LOCK FOR EXITING.  
 FIRE ALARM TO RELEASE M400P MAG LOCK.

IN THIS EXAMPLE ALL CONNECTIONS ARE MADE IN WRI400 OR PIM400-TD2 ENCLOSURE.

TITLE: TWO-STORY ENTRANCES  
 - MT11, WRI400

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ALLEGION™

DRAWING TYPE: WIRING DIAGRAM  
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