EVAD 5.0 - INTEGRATED DESIGN

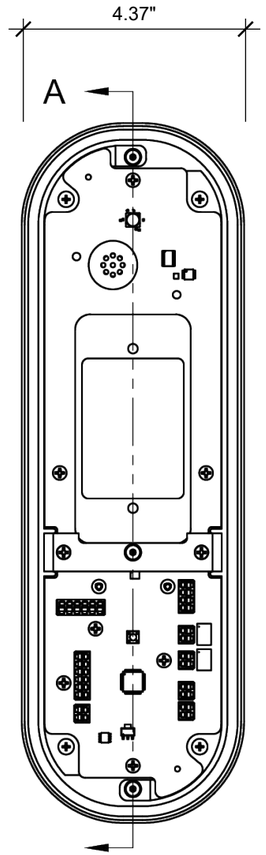
ALL DEVICES INTEGRATED INTO ONE BOARD WITH IMPROVED FUNCTIONALITIES.

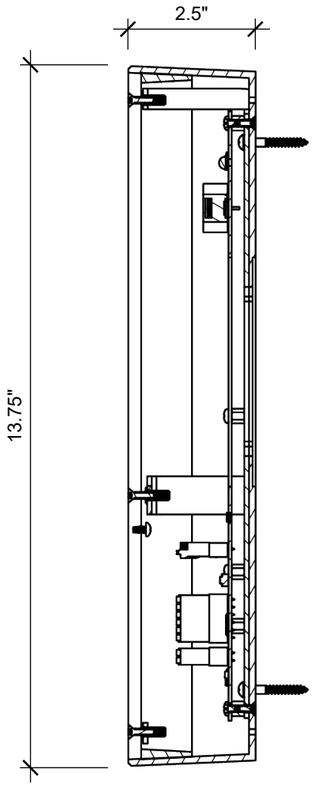
PATENT PENDING

FRONT VIEW

ISO VIEW

SIDE VIEW





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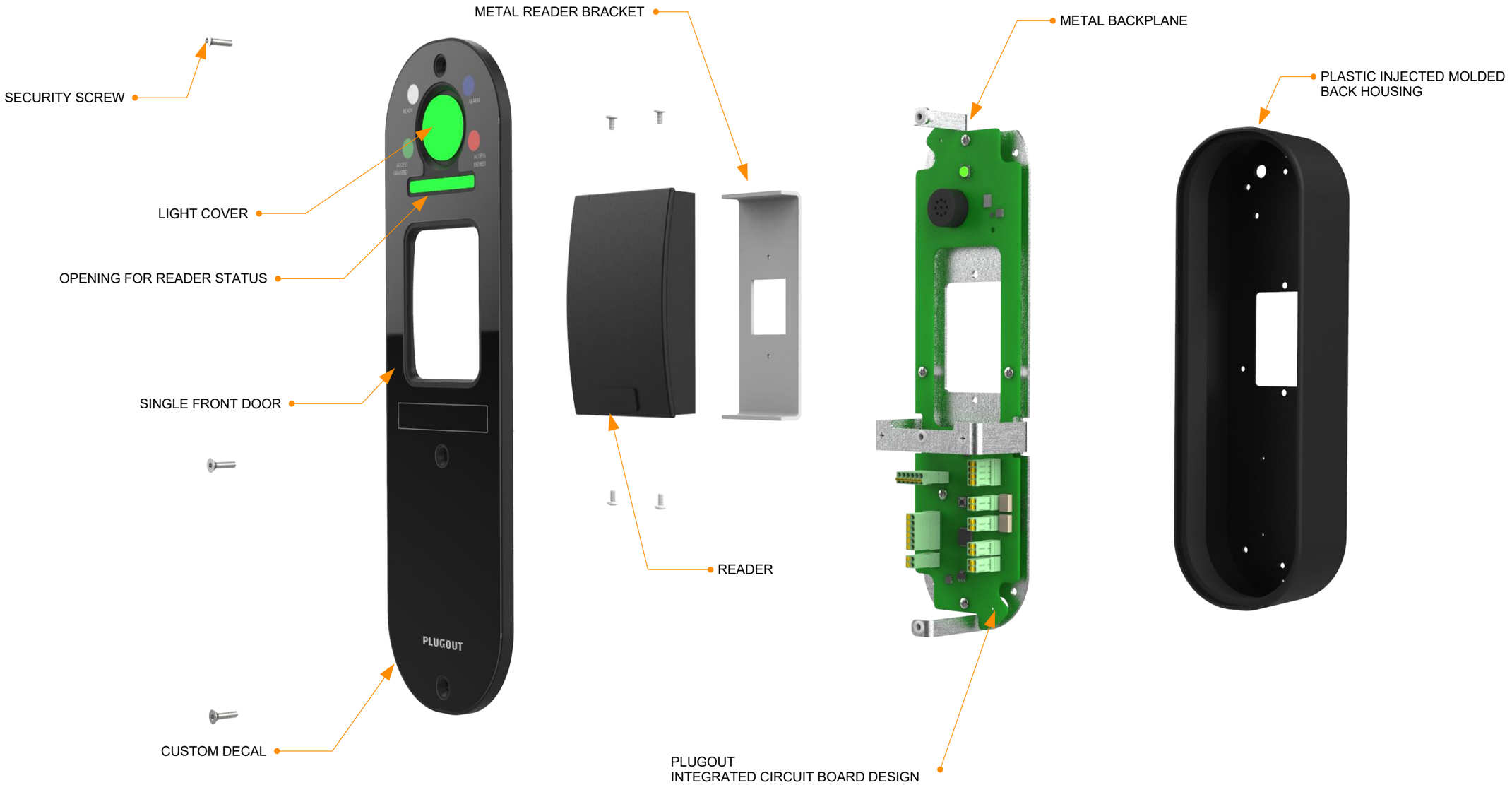
CLIENT	PROJECT	PROJECT NO.	ISSUE	DRAWN BY	DESCRIPTION
Amazon	EVAD 5.0		10/01/2021	LV	Access Device Custom Enclosure

PLUGOUT

EVAD 5.0 - INTEGRATED DESIGN

EXPLODED VIEW

PATENT PENDING



PLUGOUT

CLIENT Amazon

ISSUE 10/01/2021

PROJECT NO.

PROJECT EVAD 5.0

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DESCRIPTION EXPLODED VIEWS

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01

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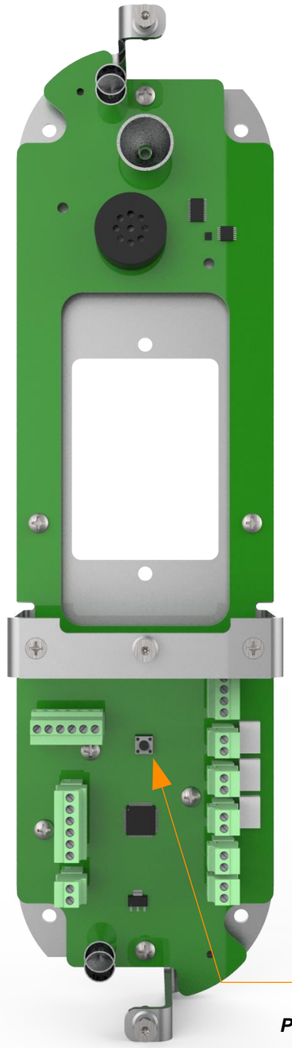
EVAD 5.0 - INTEGRATED DESIGN

CIRCUIT BOARD DESIGN - CONNECTION POINTS



J2
READER CONNECTION

J3
READER CONNECTOR
FROM CONTROLLER

J1
POWER CONNECTOR

CALIBRATING BUTTON

PRESS BUTTON AFTER THE UNIT IS MOUNTED TO CALIBRATE ALL THE SENSORS 30 SECONDS TO CLOSE THE DOOR

J4
LIGHT / SPEAKER
CONNECTOR

J11
TAMPER CONNECTOR

J5
OUTPUT# 1

J6
OUTPUT# 1

J7
INPUT# 1

J10
INPUT# 2

PATENT PENDING

FROM READER

J2
- READER BUZZER
- READER LED
- READER CLOCK
- READER DATA
- READER POWER (-)
- READER POWER (+)

J3
- READER POWER (+)
- READER POWER (-)
- READER DATA
- READER CLOCK
- READER LED
- READER BUZZER

J1
- 12-24VDC NEGATIVE
- 12-24VDC POSITIVE

J4
- BUZZER / LED RED
- BUZZER / LED GREEN
- BUZZER / LED BLUE
- BUZZER / LED YELLOW

J11
- TAMPER ALARM NC
- TAMPER ALARM COM

J5 — OUTPUT 1
- NC
- COM

J6 — OUTPUT 2
- NC
- COM

J7 — INPUT 1
- NC
- COM

INPUT 2 — J10
- NC
- COM

PLUGOUT

CLIENT
Amazon

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EVAD
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DESCRIPTION
CONNECTIONS

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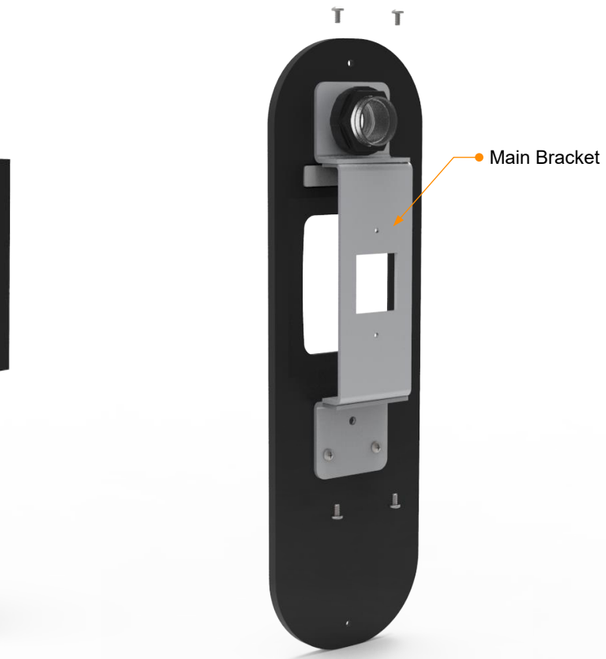
EVAD 5.0 - INTEGRATED DESIGN

CARD READER - REPLACING/INSTALLING

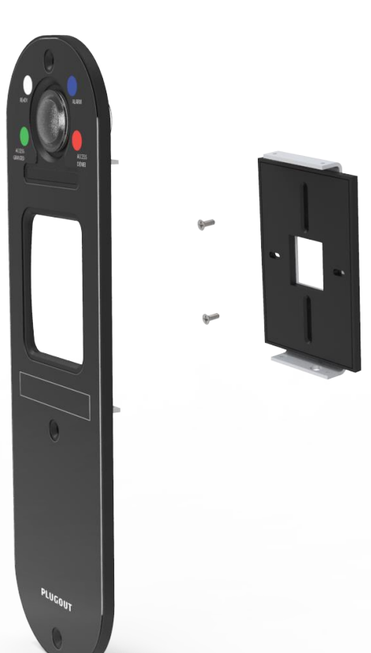
PATENT PENDING

With the door removed from the back housing. Position door to get to the back side.



Remove top and bottom screws holding Main Bracket.

Align slots on Reader backplate with holes on Main Bracket. Make sure to center Reader back plate. If the Reader backplate is aligned too high on the Main Bracket. You won't have enough room to mount the Reader.



Using two Flat Head machine screws provided with the HID reader. Secure Reader back plate to the Main Bracket.

PLUGOUT

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DRAWN BY
LV

DESCRIPTION
READER
DETAILS

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03

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EVAD 5.0 - INTEGRATED DESIGN

CARD READER - REPLACING/INSTALLING

PATENT PENDING

Align the top of the reader with the top of the backplate.

Align the bottom of the reader to the bottom of the backplate.

Secure the reader to the backplate using one of the supplied screws.

Now align the whole assembly back onto the door. Make sure press reader up against the back of the door.

DO NOT apply to excessive force when aligning. This will bow the door. Door should be straight as seen above.

Secure the reader assembly using the (4) screws from before.

With reader in position, you are now ready to wire up.

PLUGOUT

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PROJECT EVAD 5.0

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DESCRIPTION READER DETAILS

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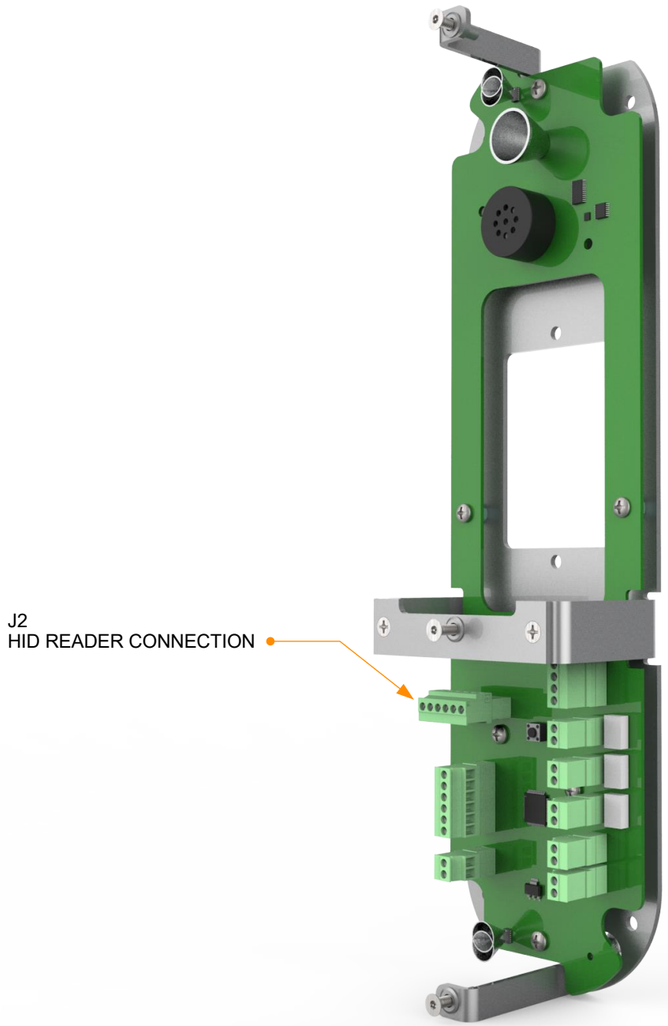
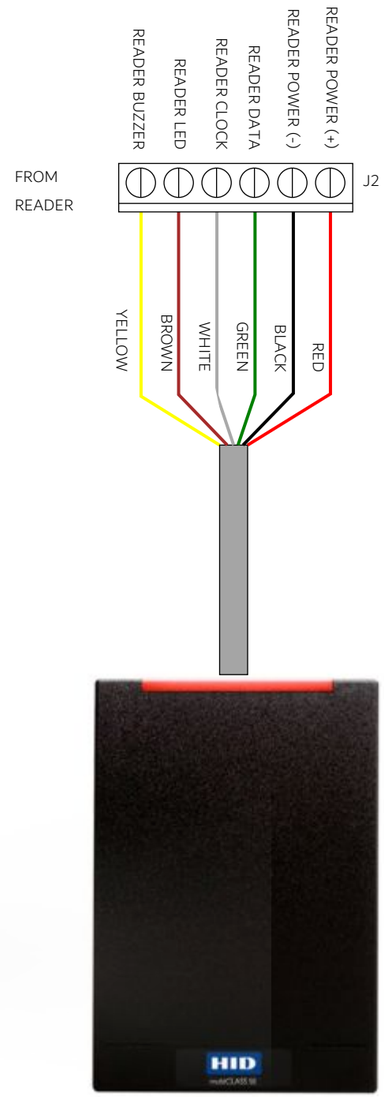
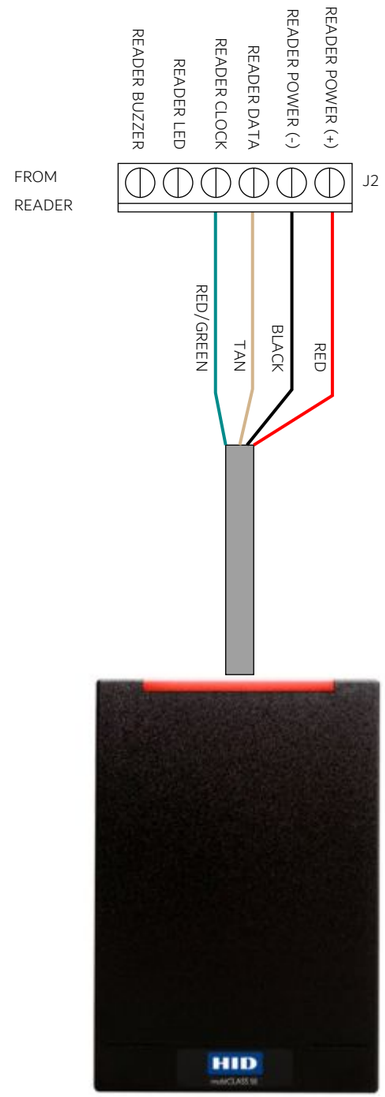
EVAD 5.0 - INTEGRATED DESIGN

HID READER - CONNECTION POINTS





WIEGAND
WIRING



OSDP
WIRING

PLUGOUT

CLIENT Amazon

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PROJECT EVAD 5.0

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DESCRIPTION READER CONNECTIONS

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05

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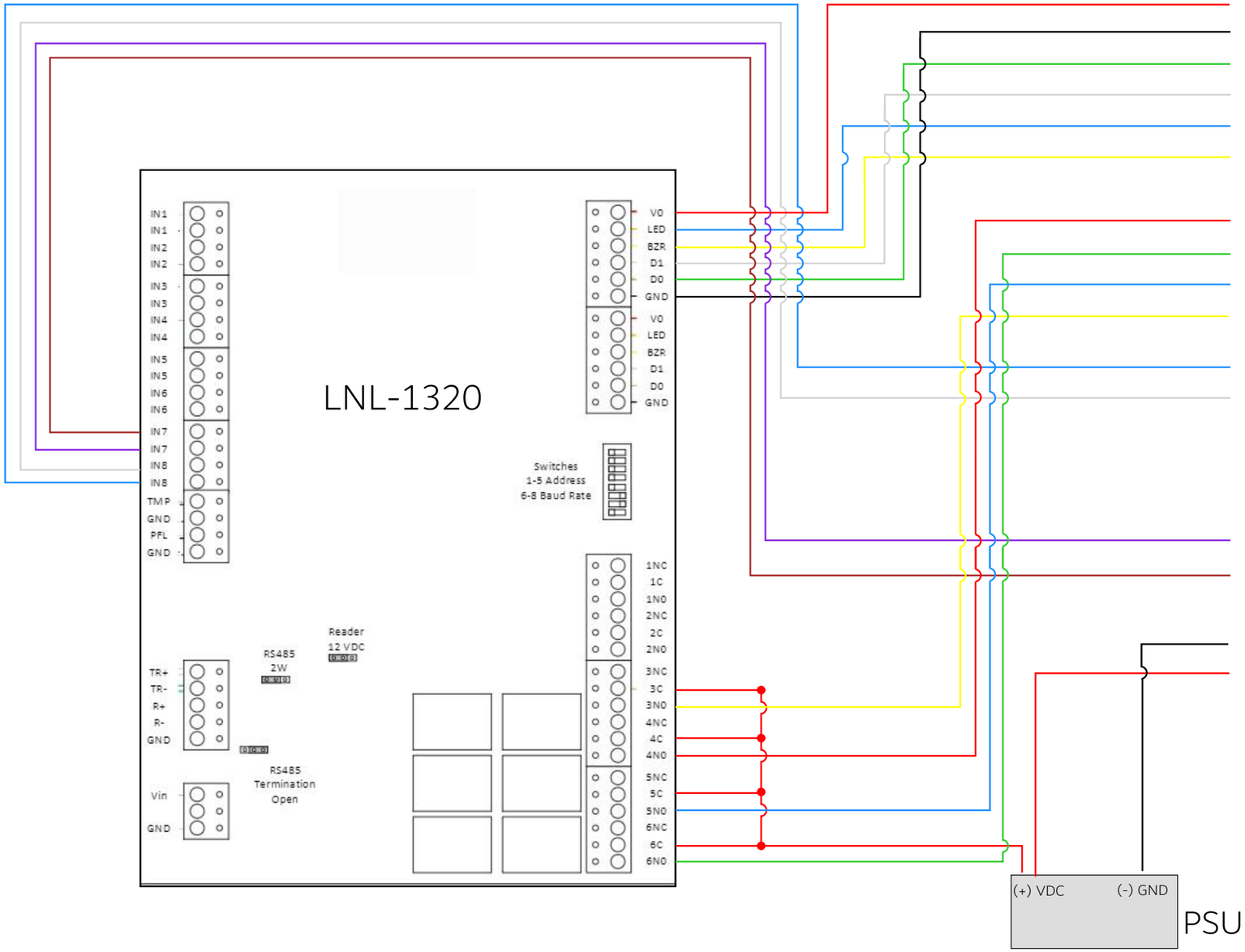
EVAD 5.0 - INTEGRATED DESIGN

WIEGAND SCHEMATIC

PATENT PENDING



J3
- READER POWER (+)
- READER POWER (-)
- READER DATA
- READER CLOCK
- READER LED
- READER BUZZER

J4
- BUZZER / LED RED
- BUZZER / LED GREEN
- BUZZER / LED BLUE
- BUZZER / LED YELLOW

J11
- TAMPER NC
- TAMPER COM

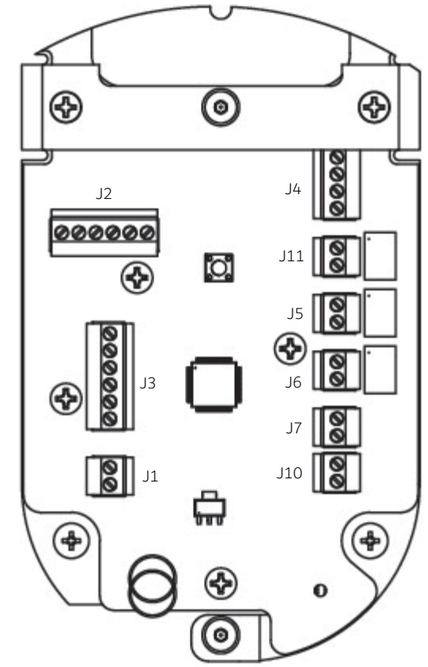
J5
- OUTPUT# 1 NC
- OUTPUT# 1 COM

J6
- OUTPUT# 2 NC
- OUTPUT# 2 COM

J1
- 12-24VDC NEGATIVE
- 12-24VDC POSITIVE

(+) VDC (-) GND

PSU



J7
- INPUT# 1 NC
- INPUT# 1 COM

TAMPER SWITCH

J10
- INPUT# 2 NC
- INPUT# 2 COM

EMERGENCY
PULL STATION

PLUGOUT

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PROJECT EVAD 5.0

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DESCRIPTION WIEGAND

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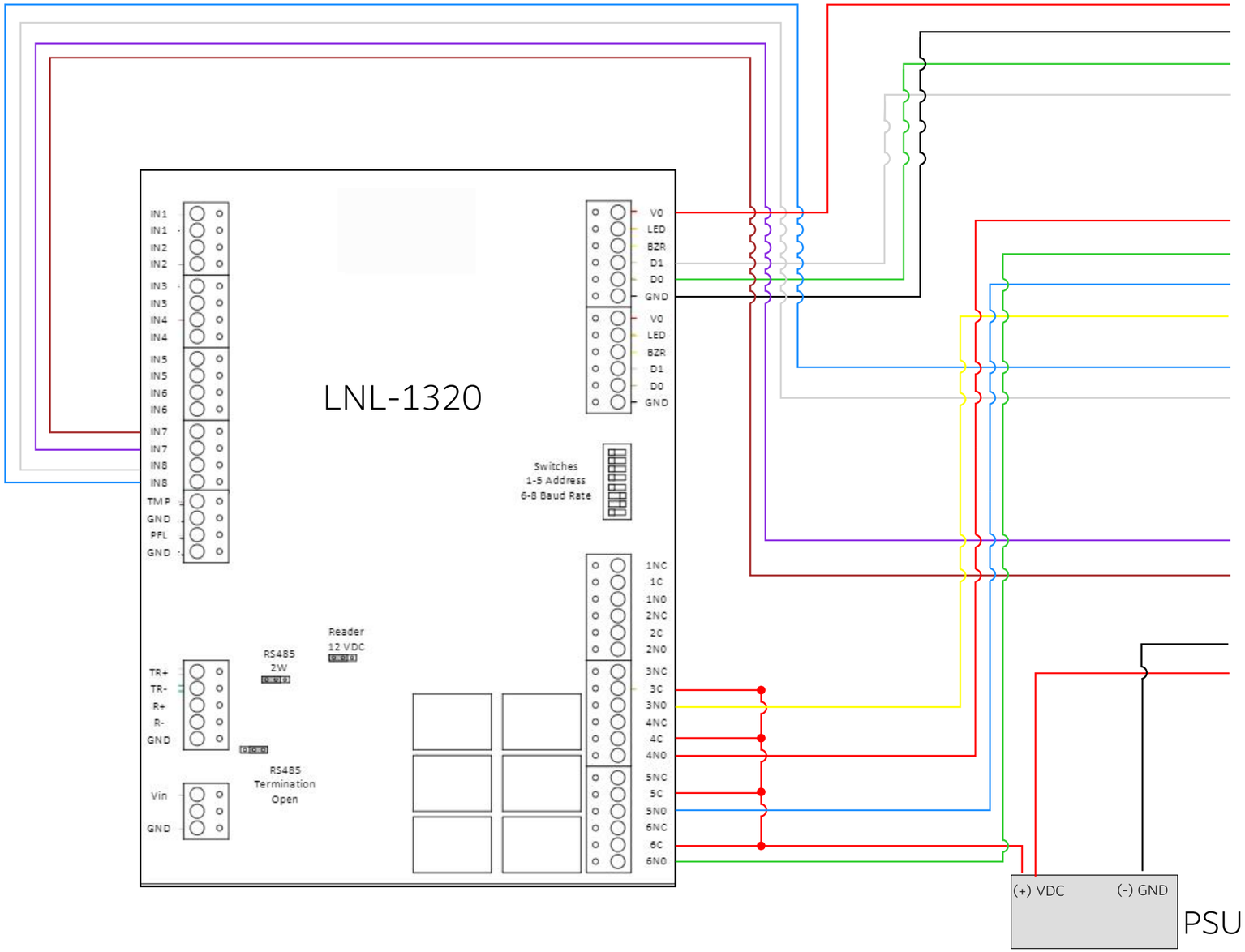
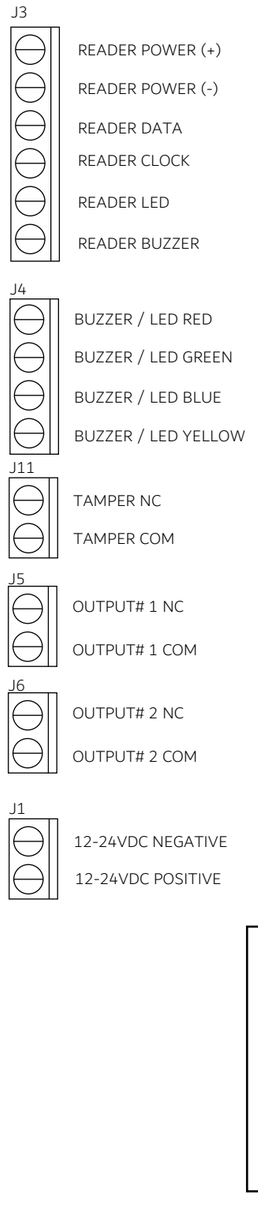
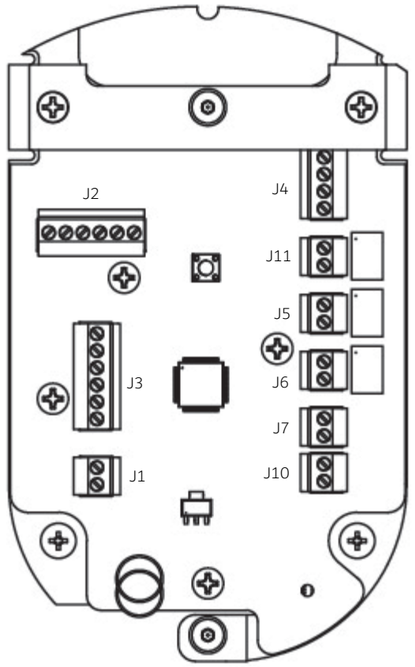
EVAD 5.0 - INTEGRATED DESIGN

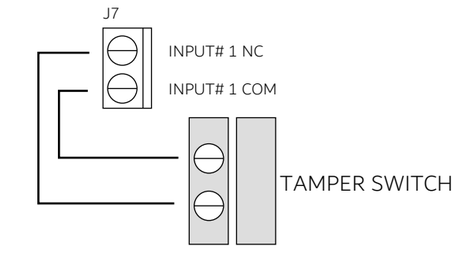
OSDP SCHEMATIC

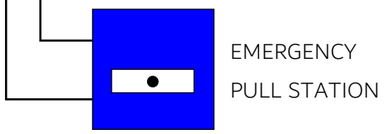
PATENT PENDING











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DESCRIPTION
OSDP

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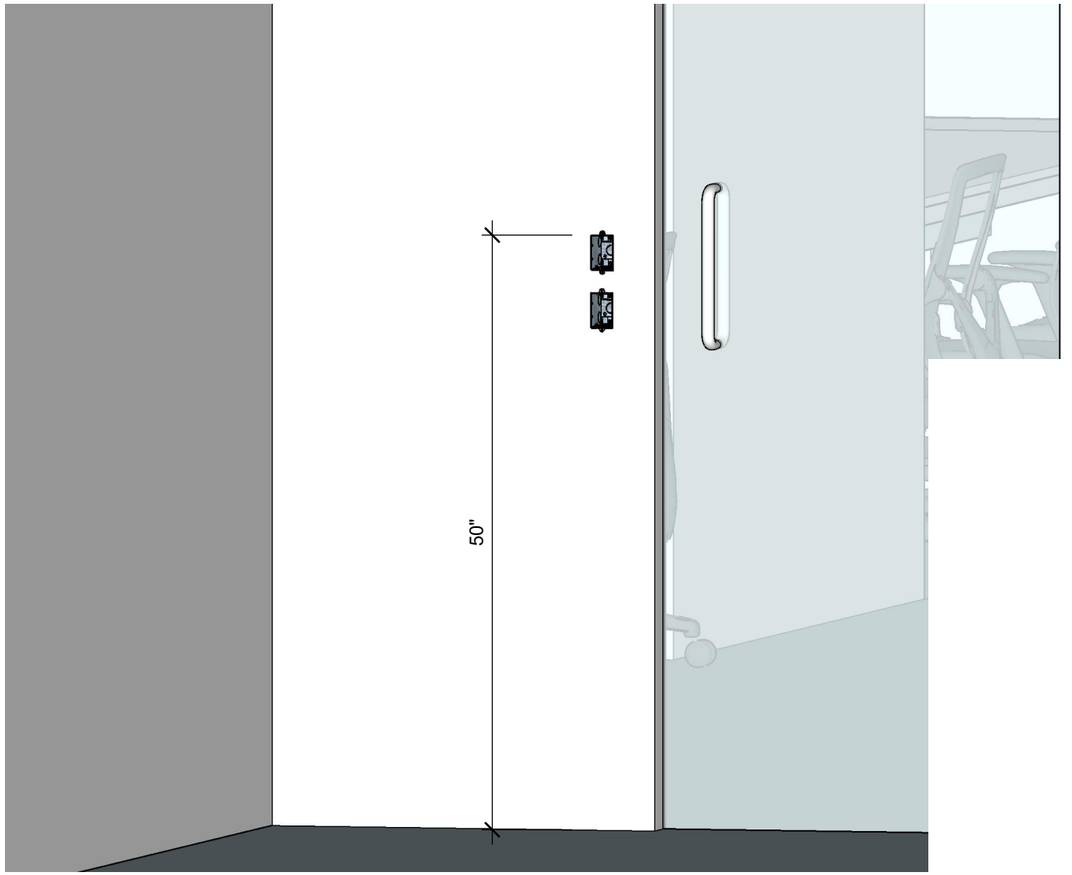
EVAD 5.0 - INTEGRATED DESIGN

TYPICAL INSTALLTION

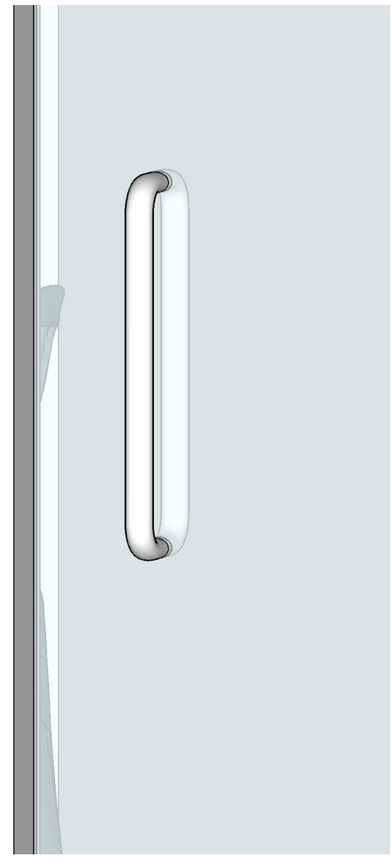


PATENT PENDING

1. **To begin the installation. Please remove any covers and anything that might obstruct the EVAD from sitting flush to the wall.**

2. **The Electrical Boxes should be mounted NO higher than 50" from the floor.**

BOXES WITH REMOVED PLATES



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EVAD
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DESCRIPTION
INSTALLATION

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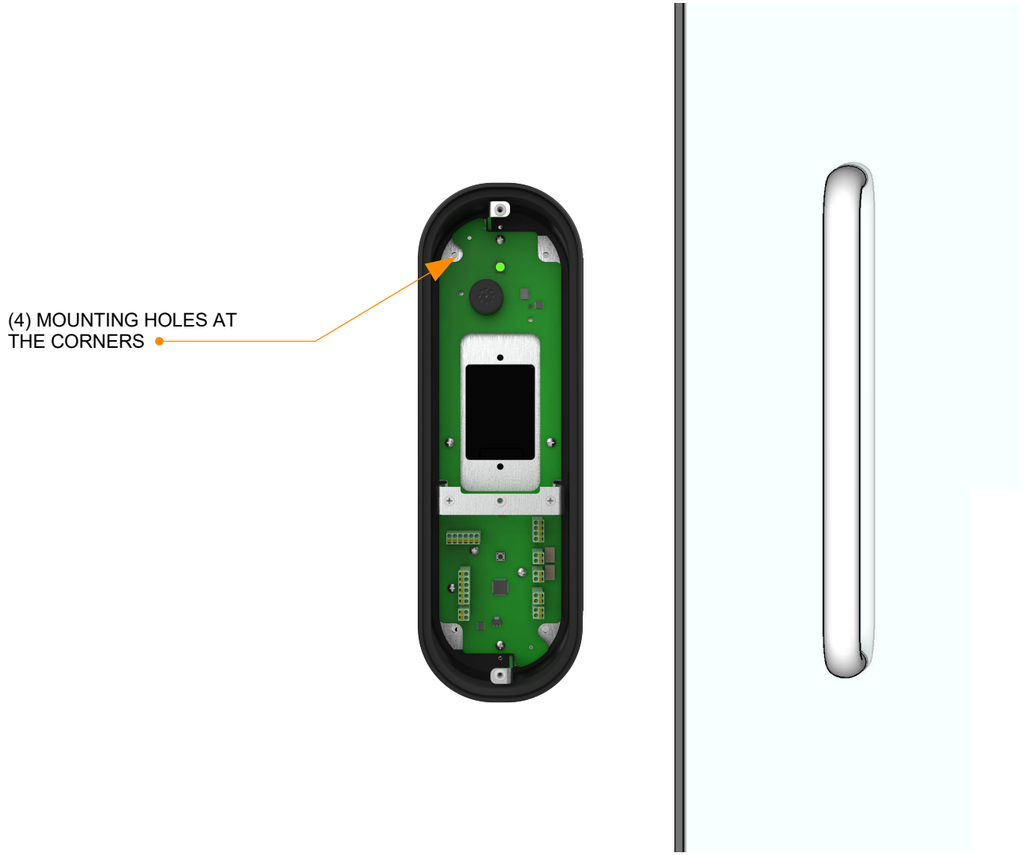
EVAD 5.0 - INTEGRATED DESIGN

TYPICAL INSTALLTION

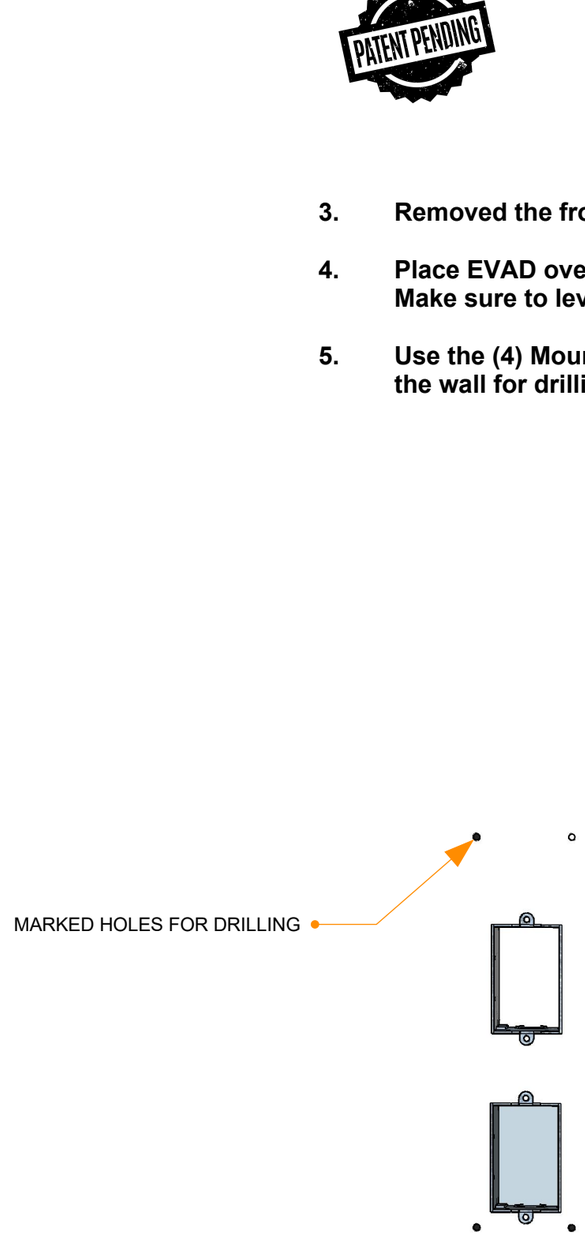


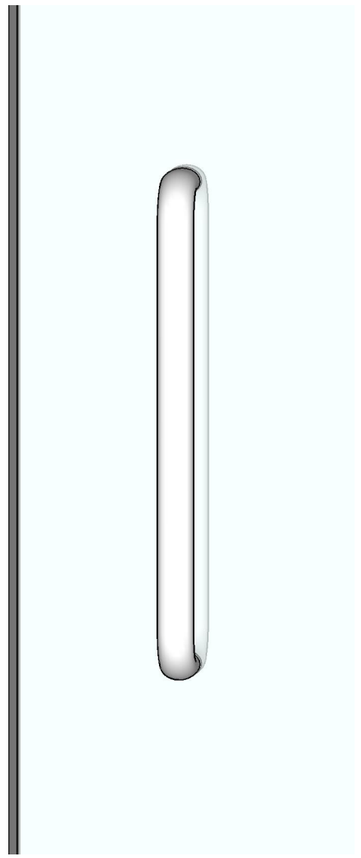
PATENT PENDING

3. **Removed the front doors from the EVAD.**

4. **Place EVAD over the electrical boxes on the wall. Make sure to level and cover over the boxes.**

5. **Use the (4) Mounting holes in the corners to mark the wall for drilling.**





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09

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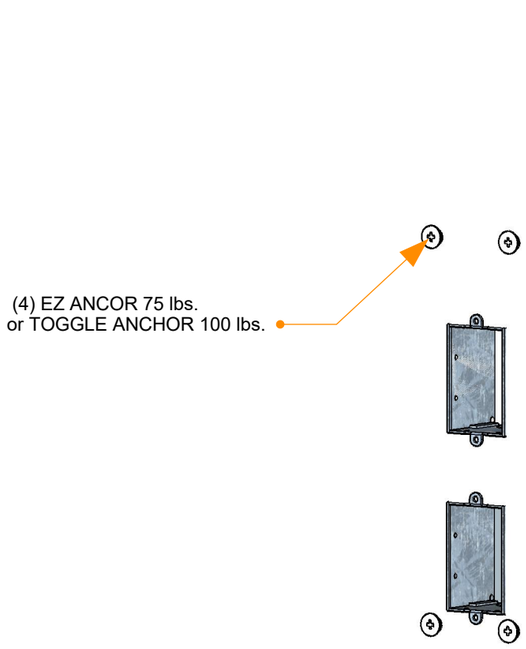
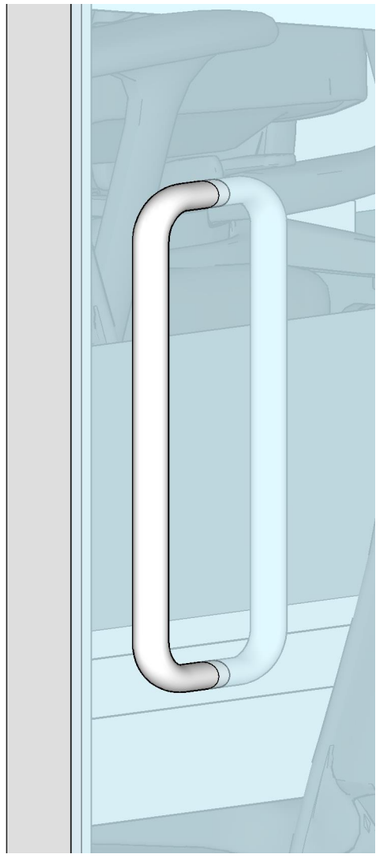
EVAD 5.0 - INTEGRATED DESIGN

TYPICAL INSTALLTION



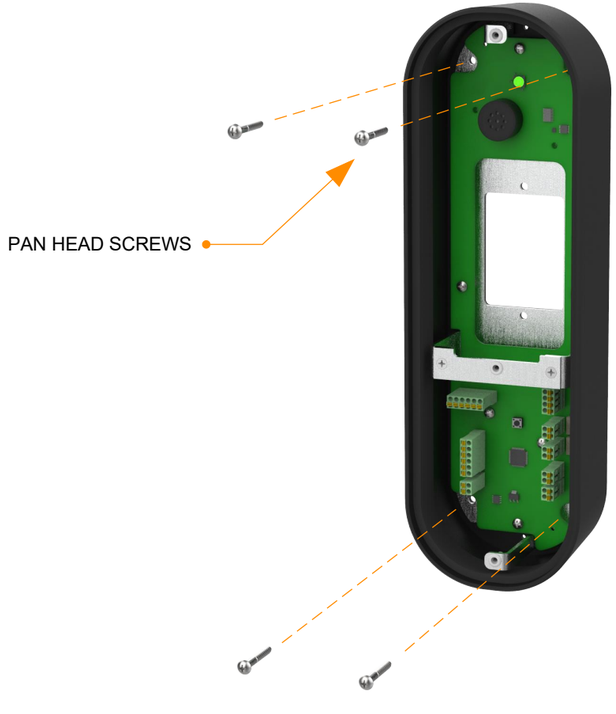


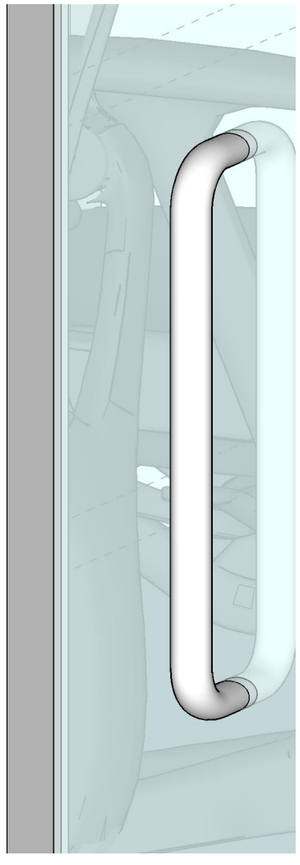
PATENT PENDING

6. **After drilling out the holes, install (4) EZ Ancors or Toggle bolts into the wall.**

7. **Then align the EVAD to match the holes and secured with screws.**

8. **Once secure to the wall, you're ready to wire up. Use the wiring diagram on page 4 & 5 to do your connections.**





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CLIENT Amazon

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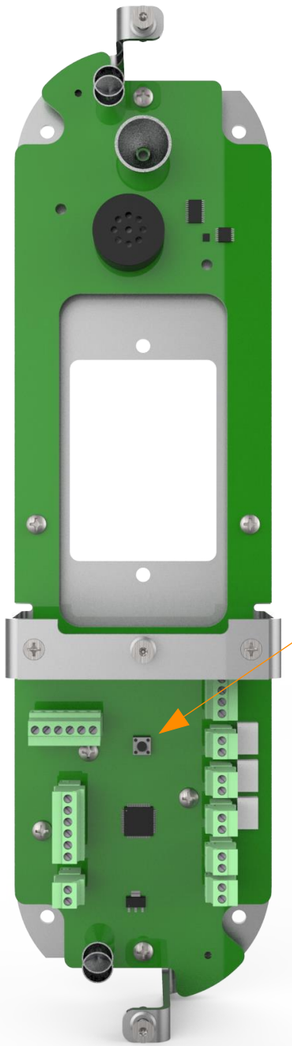
EVAD 5.0 - INTEGRATED DESIGN

TYPICAL INSTALLTION

PATENT PENDING



9. **Once the unit is wired up, PRESS the Calibration Button to configure the Sensors. Unit will now Beep and flash RED while calibrating for 30 Seconds.**

10. **Slide the doors back on within this time and hold in place till the light goes a steady WHITE. Then the unit is calibrated.**

11. **You can test to make sure it is calibrated by lifting the door. The light will FLASH White when the sensors are tripped. Place the door back into place.**

12. **Used the (3) Security Screws to secure the unit.**

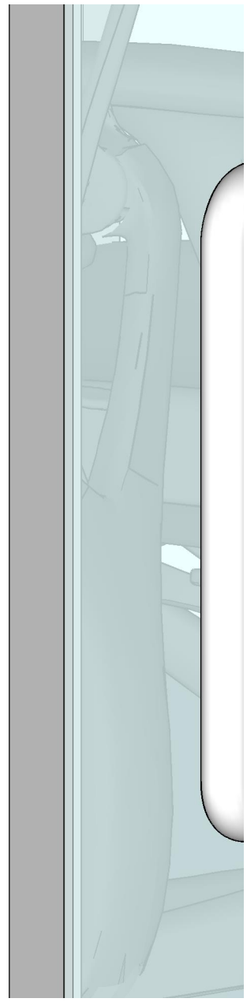
13. **Check to make sure everything looks flush and unit is securely fastened to the wall.**

14. **Unit is now ready for use.**

CALIBRATING BUTTON

PRESS BUTTON AFTER THE UNIT IS MOUNTED TO CALIBRATE ALL THE SENSORS 30 SECONDS TO CLOSE THE DOOR

(3) SECURITY SCREWS



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PROJECT EVAD 5.0

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