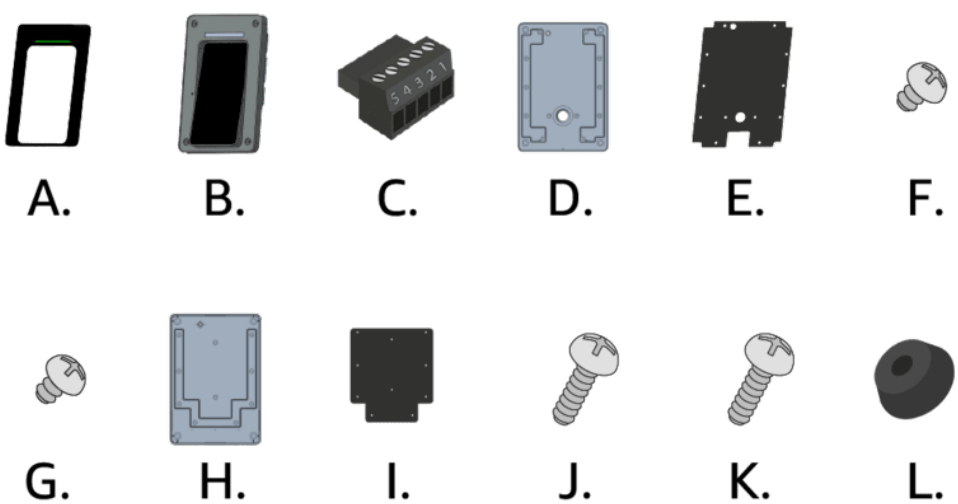
ring WallCall

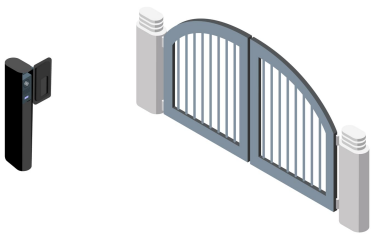
Set-up Guide

Kit Contents

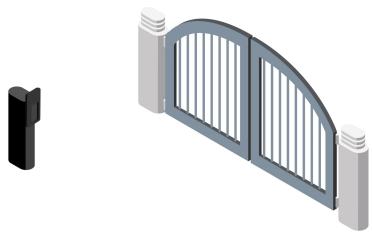


A. 1 x Faceplate
B. 1 x Front Enclosure
C. 1 x 5 Pin Terminal Block
D. 1 x Mounting Plate
E. 1 x Mounting Plate Inner Lid
F. 12 x M3 (6mm) screws (A5)
G. 16 x M3 (6mm) screws (A4)
H. 1 x Junction Box
I. 1 x Junction Box Inner Lid
J. 4 x M5 (25mm) screws (A5)
K. 8 x M5 (25mm) screws (A4)
L. 1 x Grommet

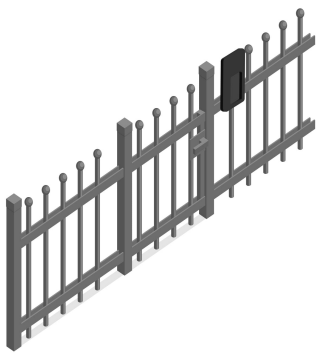
Custom Fabricated



Post-mounted

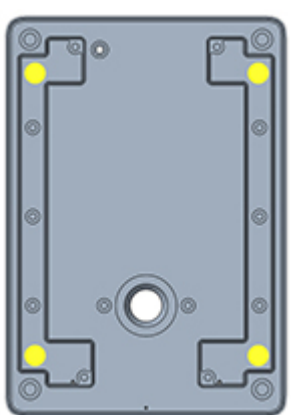


Gate-mounted



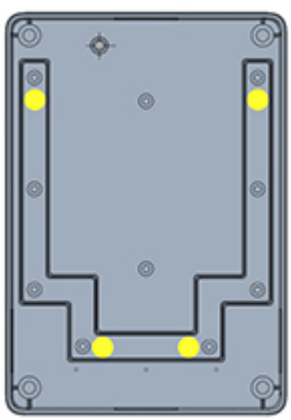
Wall-mounted

Device Mounting



4. Fasten mounting plate to surface with imperial 8 – 10 size pan head self-tapping screws.
    a. *Note: Ensure tamper switch is engaged.*
5. Place mounting plate inner lid onto mounting plate, route wires through hole, and secure with provided screws.

Note: Position of drill holes may differ per property. Mounting screw length and the need for wall anchors should be selected appropriately based on the wall substrate being mounting to.



Junction Box:

1. Drill a minimum of four 1/4" holes into the groove section of the plate.
2. Drill through desired pilot hole with (7/8" for 1/2" EMT Conduit).
3. Attach watertight conduit connectors (1/2" EMT Conduit).
4. Fasten junction box to surface with imperial 8 – 10 size pan head self-tapping screws.
    a. *Note: Ensure tamper switch is engaged.*
5. Place junction box inner lid onto junction box, and secure with provided screws.

Note: Position of drill holes may differ per property. Mounting screw length and the need for wall anchors should be selected appropriately based on the wall substrate being mounting to.

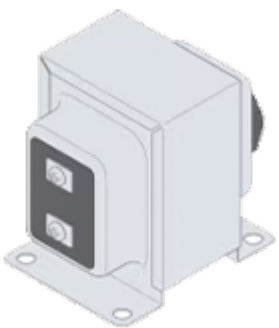
Wire Installation

Terminal Block

5-pin terminal block

Note: Polarity agnostic

Power



Doorbell Transformer
Hard-Wired - 10-24VAC/DC

PoE
Type1, 10/100 Base

Note: Will provide an internet connection when available.

Existing Access Control System with existing wires:

1. Open the existing Access Control System and locate two unused wires for output power (10-24VAC/DC).
2. Identify opposite end of wires at proposed location.
   - Location 1 AMP/ACS Board.
   - Location 2 Junction point.
   - Location 3 Interior/Vestibule Intercom.
3. Identify opposite end of notated wires.
4. Conduct continuity test to verify unused wires.
5. Mark and label the unused wires.
6. Locate new power supply for unit.
   - Install New Doorbell Transformer.
   - *Note: refer to property site survey for details.*

Connecting Wires:

Ring WallCall Unit (Mounting plate)

1. Strip insulation to expose about 0.25” (6 mm) of wire (18 AWG).
2. Route existing wires through grommet hole on the back of the mount.

Existing Access Control System

1. Locate an unused output power terminal (10-24VAC/DC).
2. Slip on a ferrite core.
3. Place each wire in desired opening.
4. Tighten screw to hold wire in place, tug on wire to ensure it is secure.

Note: If PoE is being used, the same ferrite core must be placed around the wire.

Existing Access Control System with no existing wires:
Ring WallCall Unit (Junction box)

1. Determine ideal starter hole to connect conduit and run wires.
2. Drill through pilot hole with 7/8" for 1/2" EMT Conduit.
3. Attach watertight conduit connectors (1/2" EMT Conduit).
4. Cut conduit to desired length.
5. Cut 18 AWG 6 Conductor shielded cable to desired length.
6. Strip the insulation of the BLACK and RED wires a 1/4".
7. Connect conduit to junction box (sign) with a rain tight connector.
8. Route wire through conduit from sign to dedicated power supply.
9. Slip on a ferrite core.
10. Connect power wires at sign.
11. Connect wires to dedicated power supply.

Note: If PoE is being used, the same ferrite core must be placed around the wire.

Existing Access Control System

1. Locate an unused output power terminal (10-24VAC/DC).
    1. *Note: Could be labeled as accessory power.*
2. Strip the insulation of the BLACK and RED wires a 1/4".
3. Rough-in conduit.
4. Connect conduit to access control system with a rain tight connector.
5. Route wire through conduit from sign to dedicated power supply.
6. Connect wires to dedicated power supply.

Note: May need to refer to property site survey.

LED Indicator Lights

Status Lights during Install or Service:

Lights	Operation	Color	Meaning
	Front		

LED 2 LED 3 LED 4	Cellular Connectivity	Solid Yellow	medium signal strength.
		Solid Green	Connected to cellular; good signal strength.
		Solid Blue	Connected to cellular; unknown signal strength.
		Flashing Blue	Connecting to cellular.
		Solid White	Connected to ethernet.
		Flashing White	Connecting to ethernet.
LED 5 LED 6 LED 7	NFC Tap response	3x Green flash	Phone detected: vend URL successfully.
		3X Red flash	Phone detected: unable to vend URL.
LED 8	Rear Tamper	Solid Red	Rear tamper detected.

Status Light:

Lights	Operation	Color	Meaning
LED 5 LED 6 LED 7	NFC Tap response	3x Green flash	Phone detected: vend URL successfully.
		3X Red flash	Phone detected: unable to vend URL.

Tamper Switch

Rear Tamper Switch

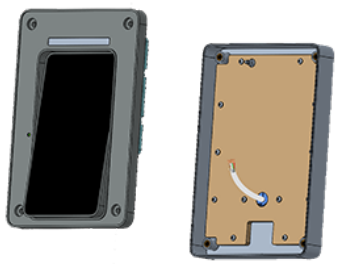
The hole in the upper left corner of the mounting plate/lid assembly and the junction

WallCall Unit Assembly

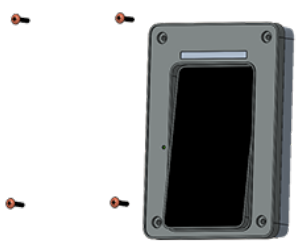
Post-mounted and Wall-mounted surface

1. Mounting Plate Lid.

2. Attach Front Enclosure.

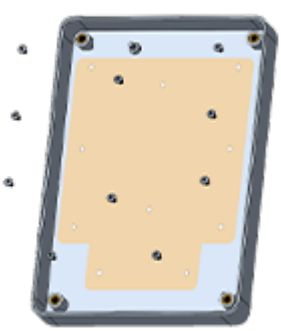


3. Place provided screws into mounting holes and tighten.

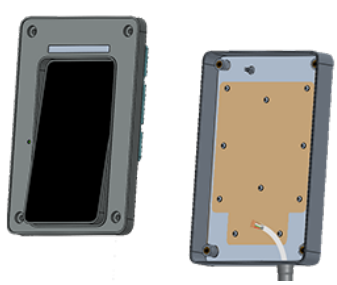


Junction Box

1. Junction box plate lid.



2. Attach Front Enclosure.



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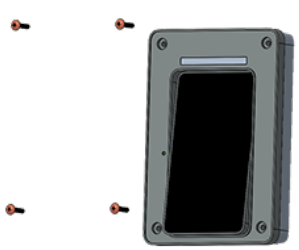

KfB Install app:

- Open job in the KfB Install app and follow steps.

Testing Ring WallCall Unit:

- Test for proper voltage and ensure the sign is properly connected to cellular or Ethernet and they are seeing the proper LED's.

4. Wipe front enclosure surface with alcohol wipe. Then, remove adhesive backing from faceplate and attach to front enclosure.

Note: Use 15 psi minimum force across the faceplate surface to activate adhesive bond. Be sure to align faceplate edges to front enclosure edges.