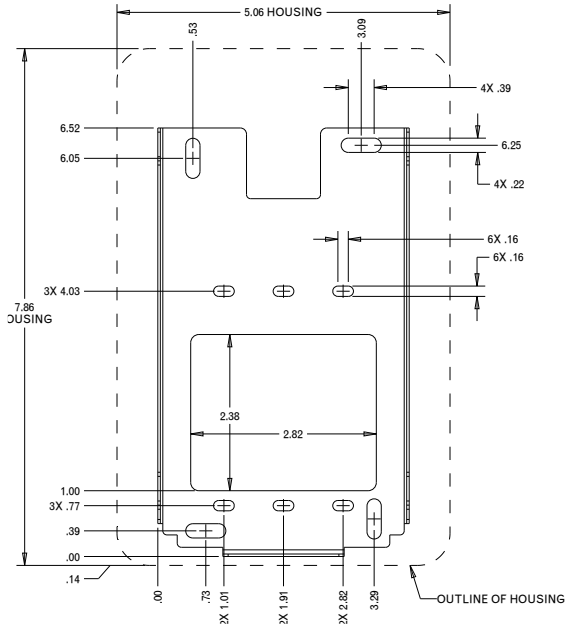
1 Out of the Box

Qty 1 GO
Qty 1 Mounting Bracket
Qty 1 Anti-Removal Reflective Sticker (if not already attached to the Mounting Bracket)
Qty 2 T10 Torx Security Screws
Qty 1 Installation and User's Manual

2 Installation

2.1 Bracket Mounting

The mounting bracket is constructed with a variety of holes that can be used for affixing the bracket to any vertical surface such as a wall. See the figure below. The mounting bracket must be connected to EARTH GROUND via a METAL gang box that is connected to EARTH GROUND or an EARTH GROUND wire connected to one of the screws used to mount the bracket to a vertical surface in order for the installation to be in compliance with standard EN 61000-4-2.



2.1.1 Mounting the Bracket WITH a Gang Box

The 6 small oblong holes can be used for either single or double gang box mounting. When installing the gang box, ensure that the bottom screw hole of the gang box is 54.77" from the floor. Once the gang box is in place, the small oblong holes in the bracket will align with the screw holes in the gang box. Use panhead screws that mate to the installed gang box. For a single gang box, place one screw through the center upper hole and one screw through the center lower hole and tighten. For a double gang box, place one screw through each of the outer upper holes and one screw through each of the outer lower holes and tighten. Once the bracket is mounted, the bottom of the bracket should measure 54" from the floor.

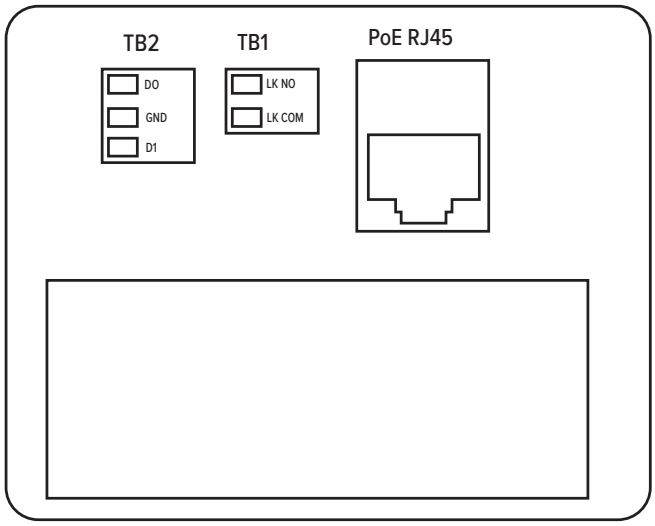
2.1.2 Mounting the Bracket WITHOUT a Gang Box

The 4 large oblong holes can be used with wall anchors to mount the bracket to a wall when a gang box is NOT used. It is best to hold the bracket against the wall, ensure that the bracket is level and the metal tongue at the bottom of the bracket is 54" from the floor. Then, with a pencil, trace the 4 large oblong holes and the 2.38" x 2.82" rectangular cut out in the bracket. Install wall anchors in the positions of the marked oblong holes and ensure that the marked 2.38" x 2.82" rectangle on the wall is completely cut out. Using the wall anchor screws, place one through each of the 4 large oblong holes and tighten ensuring that the bracket is level and the metal tongue at the bottom of the bracket is 54" from the floor.

If an Anti-Removal Reflective Sticker shown here has been supplied with the device, adhere the sticker to the wall in the 1" x 1" cutout in the mounting bracket.

2.2 Connecting to the GO

The image below shows the connections on the back of the GO.



- **PoE (Power Over Ethernet) RJ45 Connector**
- **TB1 Wurth Electronics P/N: 691361100002 (Supplied with unit)**
  - LK NO (The NO connection of a standard relay that indicates the lock state from an Access Control Panel.)
  - LK COM (The COMMON connection of a standard relay that indicates the lock state from an Access Control Panel.)
- **TB2 Wurth Electronics P/N: 691361100003 (Supplied with unit)**
  - D0 (Wiegand Data 0 Output)
  - GND (Access Control Panel Ground for Wiegand communication)
  - D1 (Wiegand Data 1 Output)

2.2.1 Power and Ethernet Connection

The GO should be powered by a Power Limited/Class 2, PoE (Power over Ethernet) IEEE802.3af compatible network switch over a Cat 5 or better network cable terminated by an RJ45 plug.

2.2.2 Lock State Connection

Using the 2 Position Terminal Block Plug supplied with the GO, connect the NO connection of the relay that indicates the lock state from the Access Control Panel to Pin 1 on the terminal block plug. (NOTE: Pin 1 will be the terminal on the top when the terminal block is plugged into the GO.)

On the same terminal block plug, connect the COMMON connection of the relay that indicates the lock state from the Access Control Panel to Pin 2 on the terminal block plug. (NOTE: Pin 2 will be the terminal on the bottom when the terminal block is plugged into the GO.)

2.2.3 Wiegand Connection

Using the 3 Position Terminal Block Plug supplied with the GO, connect the Wiegand Data 0 from one of the Wiegand input channels at the Access Control Panel to Pin 1 on the terminal block plug. (NOTE: Pin 1 will be the terminal on the top when the terminal block is plugged into the GO.)

On the same terminal block plug, connect the GROUND from the same Wiegand input channel at the Access Control Panel to Pin 2 on the terminal block plug. (NOTE: Pin 2 will be the terminal in the middle of the terminal block plug.)

On the same terminal block plug, connect the Wiegand Data 1 from the same Wiegand input channel at the Access Control Panel to Pin 3 on the terminal block plug. (NOTE: Pin 3 will be the terminal on the bottom when the terminal block is plugged into the GO.)

2.2.4 Final Installation

Insert the terminal block plugs into TB1 and TB2 on the GO as indicated by the label on the back of the unit.

Insert the RJ45 plug into the RJ45 receptacle on the back of the GO to apply power and provide a network connection. After the unit boots, the Anti-Tamper Alarm should begin to sound.

Place the GO against the mounting bracket such that the 4 tabs along the sides of the bracket align with the 4 slots on the back plate of the GO. Then, press the GO against the wall and slide it down so that the bottom of the GO touches the metal tongue of the mounting bracket. Insert and tighten the two T10 Torx Security Screws supplied with the GO through the bottom of the metal tongue of the mounting bracket. Once the unit is secure, the Anti-Tamper Alarm should no longer sound.

3 The Display

3.1 Gateway Connection Indication

When the GO is connected to the Gateway, the STONELOCK icon on the display will go from all GRAY STONELOCK to WHITE and GRAY. STONELOCK

3.2 QR Code Icon

When a valid QR Code is read by the StoneLock GO, the QR Code icon on the display will change from GRAY to GREEN.

When an invalid QR Code is read by the StoneLock GO, the QR Code icon on the display will change from GRAY to RED.

Reference the StoneLock Gateway User's Manual for information about QR Codes.

3.3 Verifying at the GO

When a user is verifying at a StoneLock GO, they should always stand approximately arm's length and use the same relaxed, non-expressive face that was used during enrollment. During verification, a user will know that their face is being scan because a Green bar will move up and down in front of the face icon on the display.

If the verification is successful, the face icon and the "LOCK" portion of the STONELOCK icon on the display will momentarily appear Green.

If the verification fails and the user is denied, the face icon and the "LOCK" portion of the STONELOCK icon on the display will momentarily appear RED.

3.4 Lock Status Indication

When the Access Control Panel signals for the lock to release, the icon in the upper right corner of the StoneLock GO display will change from a GRAY locked Lock icon to a GREEN unlocked Lock icon. When the Access Control Panel stops the signal, the icon will change to a RED locked Lock icon. It will stay Red until the next input from the Access Control Panel.

4 Configure GO IP Address

Reference the StoneLock Gateway Installation and User's Manual for information about configuring the GO IP Address.

5 Enrolling a User

Reference the StoneLock Gateway Installation and User's Manual for information about enrolling a user.

6 Specifications

6.1 Connections

RJ45 Connector PoE (Power Over Ethernet)
- Input Voltage: 37 – 57 VDC
- Input Current: 350mA
- Input Power: 12.95W
- Power Supply: Power Limited/Class 2, PoE IEEE802.3af
- Output Data Voltage: +/- 2.5V (over twisted pair)
- Output Data Current: 65mA Max
- Output Data Power: N/A (the device is a PoE Power Device (PD)

TB1 Wurth Electronics P/N: 691361100002 (Supplied with unit)
- Input Voltage: 12VDC
- Input Current: 4mA
- Wire Gauge: 26AWG – 16AWG

TB2 Wurth Electronics P/N: 691361100003 (Supplied with unit)
- Output Voltage: 0-5VDC
- Output Current: 5mA
- Wire Gauge: 26AWG – 16AWG

6.2 False Acceptance Rate (FAR)

<0.0004%

6.3 Ambient Operating Temperature

32°F (0°C) - 120°F (49°C)

6.4 Ambient Operating Humidity

0-85%RH, non-condensing
Environmental Grade 1, Indoor dry conditions

7 Agency Approvals

UL 294 Grade 1
CAN/ULC 60839-11-1
Environmental Class 1

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules and ICES-003 for Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Technical Support
800.970.6168 Option 2
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Rev 220915