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Screw Anchors (Qty. 2)

G3-FLEX

UA-Pro

UA-Lite

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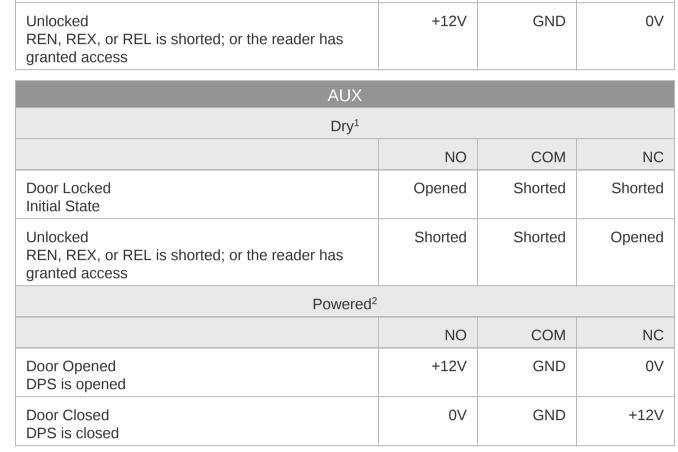
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1 Power (In) LED				
Steady Blue	Adopted/device is ready			
Steady White	Pending adoption			
Alternating White/Blue	Upgrading firmware			
2 PoE (Out) LEDs				
Off	Not connected or no data link			
Steady Blue	Connected and data link on			
3 12V Line Output LED				
Off	Not connected			
Steady Blue	Effectively connected*			
4 12V Line Output Relays				
Line voltage with 12VDC power				
5 Input Relays				
REN	Request to enter			
REX	Request to exit			
DPS	Door position switch			
REL	Remote release			
6 Input Relay LEDs				
Off	Not connected			
Steady Blue	Effectively connected*			
Output Relays				
DRY	Output relay with no power			
POWERED	Output relay with 12VDC			
8 Output Relay LEDs				
Off	Not connected			
Steady Blue	Effectively connected*			
* Wires are properly connected to b	both relays in any of the following sets:			
 +/- NC/COM 	-			

NC/COM NO/COM

Default I/O State Matrix

LOCK						
Dry						
	NO	СОМ	NC			
Door Locked Initial State	Opened	Shorted	Shorted			
Unlocked REN, REX, or REL is shorted; or the reader has granted access	Shorted	Shorted	Opened			
Powered						
	NO	СОМ	NC			
Door Locked Initial State	0V	GND	+12V			



¹ Example 1: Recommended Setup - Connect AUX DRY to automatic door opener with external power

² Example 2: Recommended Setup - Connect AUX POWERED to siren (12V / 0.33A / 4W) for door position warning

Note: Specific behaviors can be further configured in UniFi Access Controller.

UA-Hub Wiring

Connecting the UA-Hub to LAN

Ensure the switch port that is connected to the UA-Hub is on the same LAN segment or VLAN as the UniFi Access agent. It must also support PoE+ or PoE++.

Connecting the UA-Pro to the UA-Hub

Use an Ethernet cable to connect the UA-Pro access reader to the UA-Pro PoE port 🔿 on the UA-Hub.

Connecting the UA-Lite to the UA-Hub

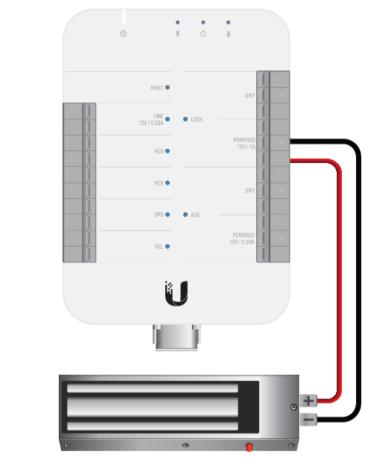
Use an Ethernet cable to connect the UA-Lite access reader to the UA-Lite PoE port on the UA-Hub.

Connecting the G3-Flex to the UA-Hub

Use an Ethernet cable to connect the G3-Flex camera to the G3-Flex PoE port \square on the UA-Hub.

Connecting a Fail-Safe Lock with No External Power Supply 1. Connect the Lock Powered (NC) port on the UA-Hub to the (+) on the lock.

2. Connect the Lock Powered (COM) port on the UA-Hub to the (-) on the lock.



Connecting a Fail-Safe Lock with an External Power Supply

1. Connect the Lock DRY (NC) port on the UA-Hub to the (+) on the lock.

2. Connect the (-) on the lock to the (-) on the external power supply.

3. Connect the Lock DRY (COM) port on the UA-Hub to the (+) on the external power

supply.

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RESET 🖷

LINE • .

REN 🔍

REX 😐

NEL 🔿

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()

1. Connect NO on the push button to REL (+) on the UA-Hub. 2. Connect COM on the push button to REL (-) on the UA-Hub.

1. Connect NO on the motion sensor to REX (+) on the UA-Hub.

2. Connect COM on the motion sensor to REX (-) on the UA-Hub. 3. Connect V+ on the motion sensor to Line 12V (+) on the UA-Hub.

4. Connect V- on the motion sensor to Line 12V (-) on the UA-Hub.

1. Connect AUX Powered (NO) on the UA-Hub to the (+) on the siren. 2. Connect AUX Powered (COM) on the UA-Hub to the (-) on the siren.

The diagram below is an example; please consult the manual for your specific siren.

REACT D

REN 🛛

LINE LICK

0 8 0 8

Note: AUX powered output is 12VDC up to 0.33A.

Note: REL, REX, and REN all work the same way with motion sensors.

Note: REL, REX, and REN all work the same way with push buttons.

RESET 0

LINE •

REN 单

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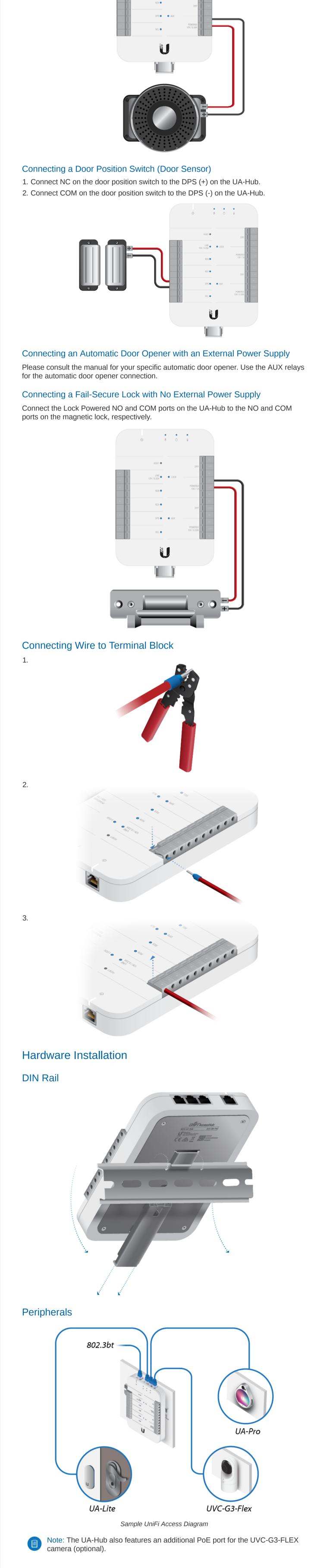
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Connecting a Push Button

Connecting a Motion Sensor

Connecting a Siren



Third-Party Accessories

Locks

Install each lock in its respective location. Each lock can be installed and connected to the UA-Hub in one of two ways:

• Dry connections

• Powered connections, 12VDC

Dry locks do not require power from the UA-Hub and are generally accompanied by their own external power or power adapter. Powered locks receive 12VDC power from the UA-Hub.

UniFi Access Controller

Follow the instructions for setting up the UniFi Access Controller by downloading the User Guide here: ui.com/download

	Locations Hardware	Access Policies Door Groups Calendar	Schedules
LOCATIONS	AGENTS	UA-HUBS	UA-PRO / UA-LITE DEVICES
Melbourne Office	12F-UID AGENT-67 Data updated 3 minutes.		Entry-UA-PRO-938K Data updated 3 minutes ago
Taipei Office	•		Exit-UA-LITE-1481-15BC Data updated 3 days ago
Portland Office	•	FrontDoor-UA-HUB-3842 Data updated 3 minutes ago	Entry-UA-PRO-2193 Data updated 3 minutes ago
Xiamen Office	·		

Specifications

	UA-Hub
Dimensions	190 x 126 x 33 mm (7.48 x 4.96 x 1.29")
Weight	457 g (16.12 oz)
Enclosure Characteristics	Plastic Enclosure with Metal Mount Plate
Mounting Options	DIN Rail
Networking Interface	(4) 1 Gbps Ethernet
Max. Power Consumption	40W
Power Method	802.3bt
Powered Relay	
Lock	Output 12VDC, up to 1A
Aux	Output 12VDC, up to 0.33A
Line	Output 12VDC, up to 0.33A
LEDs	(1) System, (3) PoE Out, (4) Input
	(2) Output Relays, (1) 12VDC Out
Buttons	Terminal Blocks, Reset
Operating Humidity	5 to 90% Non-Condensing
Operating Temperature	0 to 40° C (32 to 104° F)
Certifications	CE, FCC, IC

Specifications for Recommended Wiring

Typical Installation (Shielded)						
DC Power Input	Belden 8750 18 AWG 2 Conductor (30.5 m / 100 ft)					
Door Position Switch	Belden 8750 18 AWG 2 conductor (152.5 m / 500 ft)					
Request to Exit	Belden 8750 18 AWG (up to 152.5 m / 500 ft)					
Lock Relay Output	Belden 8750 18 AWG (up to 152.5 m / 500 ft)					
Auxiliary Relay Output	Belden 8750 18 AWG (up to 152.5 m / 500 ft)					
Wiring Gauge Requirements (AWG)*						
Total Length to Device	Output Load Current @ 12VDC			2		
	100mA	250mA	500mA	1A		
6.1 m (20 ft)	22	22	22	18		
15.2 m (50 ft)	22	22	22	18		
30.5 m (100 ft)	22	22	18	18		

* Use CTE cable connectors that comply with local electrical codes.

Safety Notices

1. Read, follow, and keep these instructions.

2. Heed all warnings. 3. Only use attachments/accessories specified by the manufacturer.

WARNING: Do not use this product in location that can be submerged by water.

WARNING: Avoid using this product during an electrical storm. There may be a remote

Electrical Safety Information

risk of electric shock from lightning.

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may

- result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed. 2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
- 3. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.

Limited Warranty ui.com/support/warranty

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. 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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

ISED Canada

CAN ICES-3(A)/NMB-3(A)

Australia and New Zealand

Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference. \bigotimes

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.

CE

WEEE Compliance Statement

Declaration of Conformity

Online Resources







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