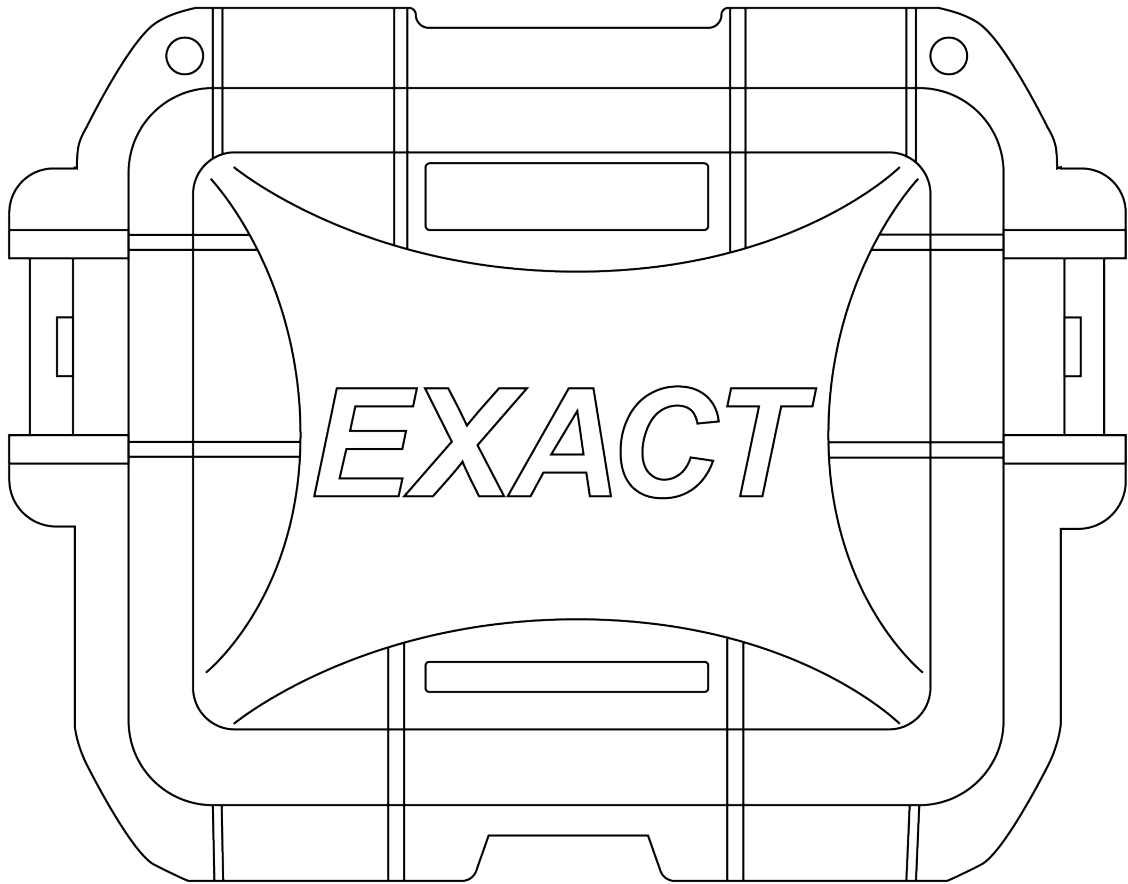


User Manual

Relay



EXACT

WARNINGS



Lithium Ion battery inside. Fire hazard if mistreated.

Do not heat above 45°C, crush or puncture.

CAUTIONS

Do not allow water or debris inside the Relay. Keep lid closed and latches engaged when in use.

Do not allow water or debris in the charge port. Ensure either charger cable locknut or charge port cap are tightened onto the charge port at all times.

Use only official EXACT Relay chargers or EXACT Solar Panels to charge the Relay.

Front View



- A Serial Number:** Assign a Relay to an element or search for it on the hardware page by its serial number.

Ambient Probe: Every Relay is equipped with an internal ambient temperature probe.

- B Latches:** To open the pelican case, use the latches on either side of the Relay. Keep the case closed at all times during use.

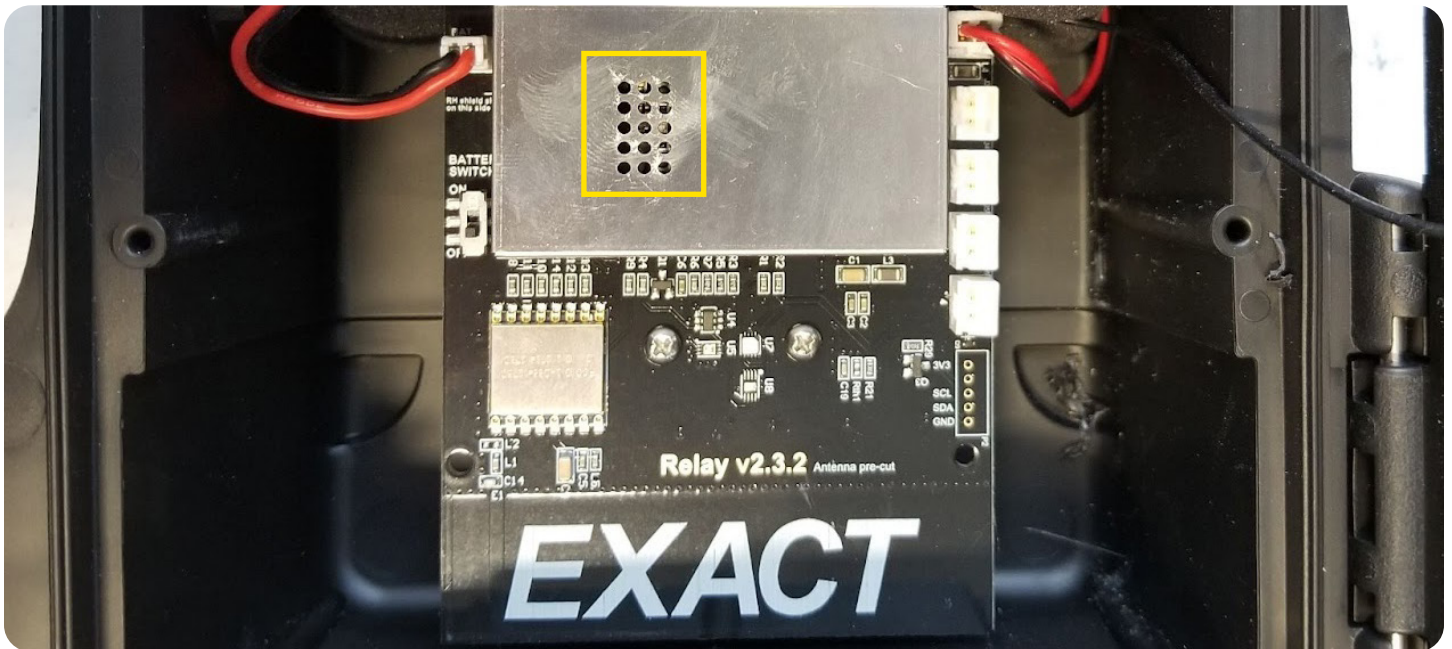
Power Input: Keep battery plugged in, or unplug to connect provided power adapter.

Inside View



- C Power Switch:** Battery ON/OFF switch.
- D Modem Status LED:** Displays status of the Relay's wireless functions. See "Modem Status LED meanings".

Modem Status LED Meanings



- **Flashing green**
Connecting to a cell network. (30 sec)
- **Flashing cyan**
Connecting to EXACT cloud.
- **Breathing cyan**
Connected and operating normally.
- **No light**
Goes to power-saving mode until the next quarter-hour.
- **Red**
Charging battery.
- **Flashing red**
Powered but not charging. Make sure Battery Switch is turned on and battery is connected.

Setting up

- 1 Relays are shipped with their battery turned off; open the case and turn the power switch to ON, or connect the disconnected battery wire to the terminal.
- 2 Relays contain SIM cards and automatically connect to the nearest cellular network.
- 3 Once connected, ambient readings begin transmitting to the cloud every 15 minutes.
- 4 Relays automatically communicate with any Logger in range and transmit Logger readings to the cloud every 15 minutes.



Online Hardware Status

Hardware						
Devices	Inputs	Min	Max	Avg	Last	
14115 ● 23:30 EST	1 CORE	20.3°C	37.1°C	24.5°C	37.1°C	
■ 100% ■ 85%	2 SURFACE	20.3°C	31.9°C	23.1°C	31.9°C	
	5 Ambient	19.9°C	20.7°C	20.3°C	20.1°C	

- A green icon denotes a Relay with adequate signal strength and battery life
- An orange/yellow icon denotes a Relay with low signal strength and/or low battery life
- A red icon denotes a Relay that is disconnected

Placement

- Within 300m / 1000 ft, line-of-sight to any associated Loggers.
 - Placement on or near metallic structures or large obstructions will negatively impact radio transmission.
 - Ideal placement of the device for wireless communication is at least 1m / 3ft off the ground with line-of-sight between Relays and Loggers.
-

Handling

- Avoid dropping the Wireless Relay to prevent damage to internal components and displacement of the battery.
-

Technical Specifications

Operating Range	-20°C to 60°C (-4°F to 140°F)
Battery Run-Time	3+ weeks
Battery Recharge Time	24 hours
Interval	Standard: 15 minutes Optional: 1/5/60 minutes
Country Compatibility	Canada, Mexico, United States
Dimensions	9.1" x 6.8" x 3.8" (231 x 173 x 97 mm)
Weight	2.1 lbs (953 g)
Ingress Protection	Dust/Waterproof

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