## **WIRELESS**

## **Relay V2**

Receives wireless data from EXACT loggers that transmit using LoRa and relays the data via LTE-M to the EXACT cloud. Relay is required for embeddable loggers. Relay can be used with Flex and Pro loggers when: a) LTE signal is not available where loggers are installed but is available nearby where Relay can connect. b) Installations with 10+ loggers where it's more economical to connect multiple loggers via LoRa to a single Relay with LTE.

SKU: EX-R-2



## **Features**

- · Multiple wireless radios
  - LTE Cat M1 cellular: Remote wireless communication
  - LoRa: Local device-to-device wireless communication
  - BLE: Local mobile-to-device wireless communication
  - GNSS location
  - GPS: Remote device retrieval\*
- Remote firmware over-the-air (OTA) updates
- Remote fault detection
- 4-month battery life
- 90+ day offline memory
- · Local log retrieval via BLE
- Internal charging port

## **Technical Specifications**

# of Inputs  1 ambient  Operating range  -20 °C to 60 °C (-4 °F to 140 °F)  Rechargeable - Charger included  Battery type  1 month  Battery charge time  14 hrs  Charger voltage  5 V  Opt. battery range  Interval  Default: 15 min / Optional: Always-On  LTE Cat M1 NAmer: Bands 2,4,12 (1900/1700/700 MHz) Europe: Bands 3,8,20 (1800/900/800 MHz) LoRa Frequency: 915 MHz (CA/USA/AUS) / 868 MHz (EU)  Country compatibility  Radio range  LORa: >800 m (0.50 mi) line of sight to Relay or another device LTE: ~1 km (0.62 mi) line of sight to tower  Ingress protection  Dimensions  231 mm x 173 mm x 97 mm (9.1 in x 6.8 in x 3.8 in)  Maints		
Battery type  Battery life  I month  It hrs  Charger voltage  Opt. battery range  Interval  Cellular technology  LTE Cat M1 NAmer: Bands 2,4,12 (1900/1700/700 MHz) Europe: Bands 3,8,20 (1800/900/800 MHz) Australia: Bands 28 (700 MHz) LoRa Frequency: 915 MHz (CA/USA/AUS) / 868 MHz (EU)  Country compatibility  Radio range  LORa: >800 m (0.50 mi) line of sight to Relay or another device LTE: ~1 km (0.62 mi) line of sight to tower  Ingress protection  Dust/Water Resistant  Dimensions  231 mm x 173 mm x 97 mm (9.1 in x 6.8 in x 3.8 in)	# of Inputs	1 ambient
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Opt. battery range  3.0 V - 4.2 V  Interval  Default: 15 min / Optional: Always-On  LTE Cat M1 NAmer: Bands 2,4,12 (1900/1700/700 MHz) Europe: Bands 3,8,20 (1800/900/800 MHz) Australia: Bands 28 (700 MHz) LoRa Frequency: 915 MHz (CA/USA/AUS) / 868 MHz (EU)  Country compatibility  Radio range  LoRa: >800 m (0.50 mi) line of sight to Relay or another device LTE: ~1 km (0.62 mi) line of sight to tower  Ingress protection  Dust/Water Resistant  Dimensions  231 mm x 173 mm x 97 mm (9.1 in x 6.8 in x 3.8 in)	Battery charge time	14 hrs
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Cellular technology  LTE Cat M1 NAmer: Bands 2,4,12 (1900/1700/700 MHz) Europe: Bands 3,8,20 (1800/900/800 MHz) Australia: Bands 28 (700 MHz) LoRa Frequency: 915 MHz (CA/USA/AUS) / 868 MHz (EU)  Country compatibility  Radio range  LoRa: >800 m (0.50 mi) line of sight to Relay or another device LTE: ~1 km (0.62 mi) line of sight to tower  Ingress protection  Dust/Water Resistant  Dimensions  231 mm x 173 mm x 97 mm (9.1 in x 6.8 in x 3.8 in)	Opt. battery range	3.0 V - 4.2 V
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(9.1 in x 6.8 in x 3.8 in)	Ingress protection	Dust/Water Resistant
Weight 1150 g (2.54 lbs)	Dimensions	
weight	Weight	1150 g (2.54 lbs)

<sup>\*</sup>GPS requires direct line-of-sight to open sky. Indoor use may not return a location.