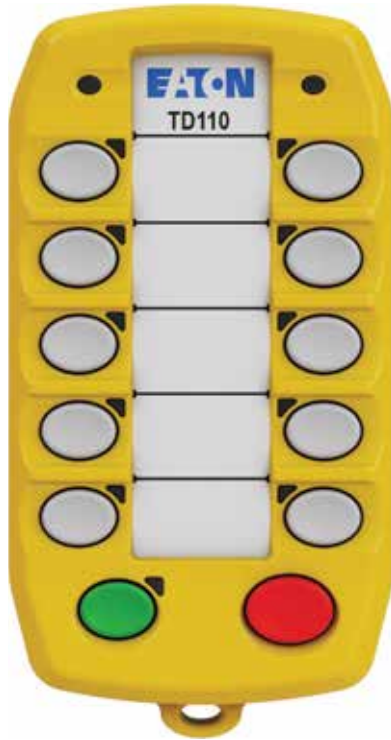


TD110 two-way handheld remote control

Super compact handheld transceiver for reliable and precise wireless control and monitoring of mobile and industrial machinery



Description

The Eaton TD110 is a robust super compact handheld wireless transceiver that uses proprietary and proven OMNEX Trusted Wireless technology to provide reliable real-time control and monitoring of mobile and stationary hydraulic equipment. It is part of Eaton's new TD series of handheld two-way communicating wireless transceivers. The TD110 features 12 buttons that can send and receive digital signals to and from the Eaton R260 and R270 two-way wireless transceivers. The two-way capability allows users to monitor real-time machine feedback with the multi-color control button indicator LEDs on the TD110.

Reliability is the core driver behind the development of TD110, continuing the Eaton OMNEX respected reputation for long life, reliable, and robust wireless products specifically designed for the harshest of environments.

Features

- Two-way communications for real-time and precise machine feedback
- Robust construction with superior ingress protection, purposefully built for the harshest environments (IP65 and IP67 ratings)
- OMNEX Trusted Wireless FHSS technology
- Multi-color indicator LEDs on control buttons give operator real time status and information
- Built-in rechargeable long-life lithium battery pack
- Contactless charging
- Full line of accessories
- Sunlight readability

Applications

- Concrete line pumps
- Concrete mixer trucks
- Vacuum excavation trucks
- Auto recovery vehicles
- Truck-mounted cranes
- Agricultural equipment
- Off-road machines
- Chippers and augers

Ordering

Product code	Description	Model No.
ASSY-4022-01	TD110 900 MHz Assembly	TD1109
ASSY-4022-XX	TD110 2.4 GHz Assembly	TD110-24

Accessories

Product code	Description
ASSY-4041-02	TD110, Cradle, charger, basic w/ plug
ASSY-4041-03	TD110, Cradle, charge only, w/ plug
FMEC-3840-02	TD110, Plastic holster, black



Powering Business Worldwide

Specifications

Specification	Description
Wireless communications	
Transceiver	900 MHz and 2.4 GHz
Communications	OMNEX trusted wireless FHSS technology with two-way communications capability
Antenna	Internal antenna
Operating range ^a	1,650 ft (500 m) for 900 MHz and 900 ft (270 m) 2.4 GHz
Pairing	Radio remote can be paired to receiver through easy pairing process
Receiver	
Wireless transceiver	Pairs with the OMNEX Trusted Wireless programmable 20-function CAN controller (R260), IEC 61131-3 programmable Pairs with the OMNEX Trusted Wireless configurable CAN transceiver (R270)
Expansion	Machine I/Os can be expanded with additional modules
LEDs	
Control button LED	Machine feedback status & information (custom-defined)
Status LED	Low battery warning
Link LED	Wireless communications established
Operator controls	
Buttons	12 total
Digital	Up to 10 (up to 20 with shift key)
Power button	Separate ON and OFF buttons
Protection	All controls are protected from damage when dropped
Controls reliability	2 million cycles
Safety	
Neutral check	Power up neutral detection for critical controls
Inactivity detection	Shutdown after a period of no controls activity (configurable)
Ergonomics	Design features protect accidental activation of controls

Specification	Description
Alert - Operator warnings	
Vibrator	Haptic vibration
Visual	LED indicators
Battery	
Type	Long-life lithium iron phosphate (Built-in)
Capacity	1.2 Ah
Expected operating time	30 hr ^b
Protection	Protected against overcurrent failure
Life expectancy	10 years, to 80% capacity
Charging	Charge cradle (contactless) Charging time: 4 hours
Battery indicators	LED
Compliance	
EMC	FCC Part 15, Class B; CE EN 301 489-3 EN 55022 Class B (Radiated and Conducted Emissions)
Wireless	FCC Part 15.247; IC RSS 210
Electrical	UL/EN/AS/NZS 60950 (Safety); EMR FCC Part 2.1093 Charge Cradle: SAE J1113-11 load dump, start motor and other transients
General	
Size (outside dimensions)	5.1 x 2.8 x 1.3 inches (135 x 71 x 33 mm)
Weight	0.44 lb (200 grams)
Storage temperature	-4°F to +136°F (-20°C to +58°C) with lithium ion battery ^c
Operating temperature	-4°F to +131°F (-20°C to +55°C) with lithium ion battery ^c
Charging temperature	+32°F to +113°F (0°C to +45°C)
Humidity rating	0–95% RH non-condensing
Environmental	IP65 and IP67 (dust, immersion, water jets) SAE J1455 (Salt Spray)
Shock	ISO 15998 (15 G for 11 ms)
Vibration	SAE J1455 (24 to 2000 Hz for each of 3 axes, 4 G ² /Hz)
Housing	Industrially robust, hardened plastic, chemical resistant

Specifications are subject to change.

^a Line-of-sight

^b Battery life depends on several factors: state of battery, RF transmit power, ambient temperature, etc.

^c Refer to manufacturer specifications for alkaline battery

For information on Eaton's wireless business, please visit [Eaton.com/wireless](https://www.eaton.com/wireless)

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