



## e-TRANS-100

TWO CHANNEL TRANSCEIVER

### Specifications

**Model:** E-TRANS-100

**Voltage:** 10-28V AC/DC

**Current draw standby:** 12 m/a

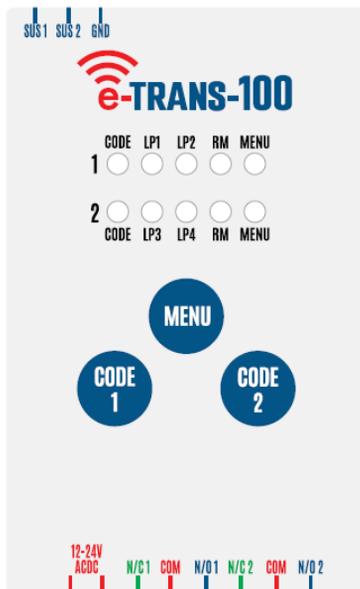
**Current draw active:** 20 m/a

**Frequency:** 433.39 MHz

**Band width:** 250Hz

**Relay:** 1-amp contact rating, COM and N/O connections x2

**Transmitting power:** <10mW



#### Safety instructions

Before proceeding with the product's installation, check that all the materials are in good working order and suited to the intended applications.

Danger due to electric power. Contact with live parts may result in an electric current flowing through the body. Electric shock, burns, or death may result. Installation must be done by an authorized specialist.



**CODE LED** = Blue  
**LP1, LP2, RM LEDs** = Red  
**MENU LED** = Yellow

### Coding device

CH1 Code LP1 LP2 Rem Menu = Relay 1

CH2 Code LP3 LP4 Rem Menu = Relay 2

### Coding E-LOOP

1. To code device, hold the E-LOOP close to the antenna of the E-Trans 100.
2. Now press and release the Code channel button you want the E-LOOP coded to. You should see the blue 'Code' LED flash and the red LED (LP1) or (LP2) will flash indicating E-LOOP allocation. The E-LOOP will also flash the yellow LED at the same time, then the red LED.

### Version 3 E-Loop coding

(Release date 15/10/2023 for all commercial E-LOOPS)

1. To code the device, press and release the Code channel button you want the e-Loop coded to. You should see the blue 'Code' LED light up.
2. Now place the magnet on the E-LOOP recess and you should see the yellow 'Code' LED on the E-LOOP flash. The blue 'Code' LED will flash and the red LED (LP1) or (LP2) will flash indicating which space has been filled. The E-LOOP will also flash the yellow LED at the same time, then the red LED.

### To code E-LOOP long range

Place a magnet on the CODE recess on the e-loop until the yellow LED comes on solid, remove the magnet, now go the E-Trans 100, you have a 60 second window.

Now press and release the Code channel button you want the E-LOOP coded to. The blue 'Code' LED will flash and the red LED (LP1) or (LP2) will flash indicating which space has been filled. The E-LOOP will also flash the yellow LED at the same time, then the red LED.

### Coding a remote or keypad

1. To code remote, press and release the Code channel button you want the remote to code to. You should see the blue 'Code' LED light up.
2. Now press the number button on the remote you want the E-Trans 100 to operate from and the 'Code' LED will flash as well as the Rem 'RM' LED. The remote is now coded.
3. You can follow on with a second remote or press the same remote again to exit code learn. Code learn will automatically kick out after 5 seconds of inaction.

NOTE: If you code an E-Remote Lock button into either channel, it will latch the relay when Lock button is pressed and unlatch the relay when Unlock button is pressed. You will also see the Lock and Unlock LED flash on the E-Remote.

## Deleting all coded devices

1. First select which channel you want to delete.
1. To delete all devices, press and hold the Code channel button you wish to delete. After 10 seconds you should see all channel 1 LEDs flash twice for channel 1, or all channel 2 LEDs flash twice for channel 2.

## To delete individual e-Loops or all remotes

1. Press and hold the Code channel button, now press and release the Menu button and 'LP1' LED will light up. If this is not correct, then press the Menu button again until you are on the correct LED.
2. Once the correct selection has been made, keep your finger on the Code button until all LEDs on channel 1 flash.

## Changing relay operation

Default relay operation is set to Pulse. This can be changed to Hold or Latch.

NOTE: Changing a relay function will only change the function for remotes, not e-Loops.

1. Press and hold the Menu button for 2 seconds, the 'LP1' LED and 'Menu' LED will light up for channel 1 relay 1. If you want to change to channel 2 relay 2, press and release the Code / CH2 button.
2. **LP1 + Menu = Pulse**  
To change, press Menu LP2 + LP2 + Menu = Hold Or, press Menu LP2 + LP2 + Rem = Latch
3. Now wait 5 seconds and Menu will automatically exit.

Disposal: The packaging must be disposed of in the local recyclable containers. According to the European Directive 2002/96/EC on waste electrical equipment, this device must be properly disposed of, after usage in order to ensure a recycling of the materials used. Old accumulators and batteries may not be disposed of in the household waste, since they contain pollutants and must be properly disposed of in municipal collection points or in the containers of the dealer provided. Country-specific regulations must be observed.

## Setting LDC mode for lower power consumption

(Ideal for solar applications)

1. Power down the e-Trans 100 then hold the Menu button and re-apply power. The channel 2 Menu LED will flash indicating radio 100% duty cycle.
2. To change to LDC mode 50% duty cycle, press the Code / CH1 button and the channel 1 'Menu' LED will flash indicating 50% duty cycle.

The average current consumption in standby is 4.5mA  
NOTE: This will not affect radio range or operation.

## Suspend inputs

By bridging SUS 1 to GND you will suspend the operation of relay 1.

By bridging SUS2 to GND you will suspend the operation of relay 2.



Document updated: 20/11/2023



AES Global Ltd - 4 Kilcronagh Business Park, Cookstown, BT80 9HJ, UK.  
Product Type: Wireless Vehicle Detection & Automation.

Hereby, AES GLOBAL LTD declares that the radio equipment type e-TRANS-100 is in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: [www.aesglobalonline.com/e-loop#ce](http://www.aesglobalonline.com/e-loop#ce)



Points de collecte sur [www.quefairemesdechets.fr](http://www.quefairemesdechets.fr)

