

# KTDC14 User manual

## 1. Product Information

The product is a data transmission installed in the vehicle.

It is designed to communicate with GSM/UMTS cellular network systems.

In addition it has GNSS receiver and input/outputs interfaces that allow user applications, such as PC,etc.

## 2. Product description

### 2-1: General Specifications

Model name	:	KTDC14
Input voltage	:	DC+8 to +32 V
Current consumption	:	Standby: 36 mA Transmission: 120 mA
Operating temperature/humidity ranges	:	-20°C to 70°C 5 to 95%
Storage temperature/humidity ranges	:	-30°C to 85°C 5 to 95%

### 2-2: External terminal Specifications

GNSS antenna terminal: BNC-J (50 Ω)

External interface: MX23A34NF1 (JAE)

## 3. Operational Description

- 1) Positioning by the GNSS
- 2) Data with the external interface (RS232C, General I/O, and CAN)
- 3) Transmission of the 1) and 2) through the GSM/UMTS cellular network systems.

**FCC Compliance Statements:**

This device complies with Part 15 of the FCC. 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.

Modifications not expressly approved by KYB Trondule Co.,Ltd. could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, users and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Radiofrequency radiation exposure Information:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.