

enKo products

RADAR-LASER DETECTOR

Thank you for purchasing enKo products radar laser detector. The CCT278 model incorporates the advanced new radar antenna technology and extremely low power-consuming circuitry to ensure top class performance. It is a complete integrated laser and radar detector, which responds not only to X, K and Ka band radar guns in use today, but also the laser guns.

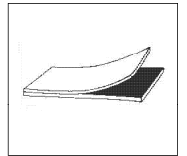
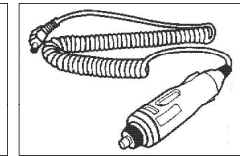
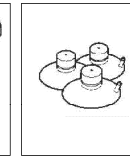
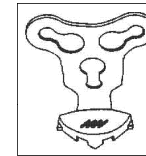
The CCT278 provides distinct visual and audio alerts to warn you of the presence of X, K, Ka band and laser signals for 360° round.

You can drive with confidence when you bring along the CCT278

PACKAGE CONTENTS

CCT278 package includes the following components.

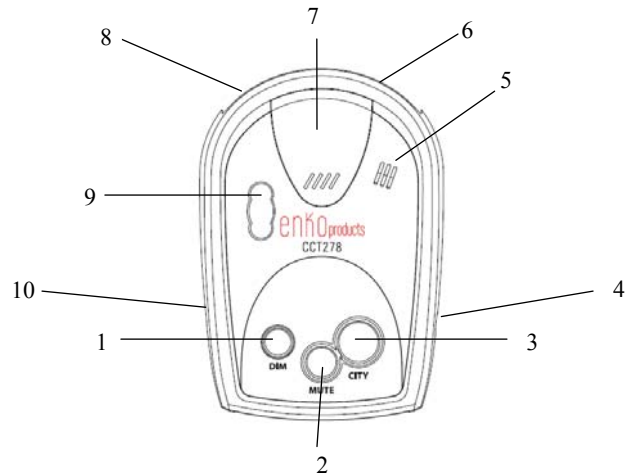
- CCT278 radar and laser detector
- Coiled 12-volt DC power cord and fuse
- Windshield mounting bracket with suction cups
- Dashboard mounting hook and loop fasteners
- Operation manual



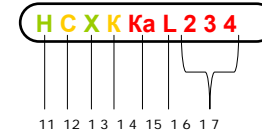
Operating Instructions

MODEL : CCT278

BASIC FEATURES AND CONTROLS



1. DIM mode reduces the illumination of the display . You can adjust the brightness of the display – Bright, Dim, Dimmer and Dark
2. Mute silences the audio alarm
3. City reduces false alarms while driving in the city. While driving on the highways or rural areas, press the City button again to turn off the City mode for long-range detection.
4. DC 12V Power Input
5. Buzzer hole
6. Radar Antenna Lens
7. Windshield Mounting Bracket Slot
8. Laser Lens
9. Rear Laser Lens
10. Power on-off & Volume Control Wheel



11. Highway Icon 'H' lights to indicate Highway mode is selected.
12. City Icon 'C' lights to indicate City mode is selected.
13. X Band Icon 'X' lights and blinks to indicate the presence of X band radar signal. The blink rate increases as the radar source gets closer.
14. K Band Icon 'K' lights and blinks to indicate the presence of K band radar signal. The blink rate increases as the radar source gets closer.
15. Ka Band Icon 'Ka' lights and blinks to indicate the presence of Ka band radar signal. The blink rate increases as the radar source gets closer.
16. Laser Signal Icon 'L' lights and blinks to indicate the presence of laser signal.
17. Signal Strength Meter Icon '2 3 4' indicates the strength level of present radar

INSTALLING THE UNIT

Mounting Guidelines

For the best performance, select the proper location for the detector where it has a direct view of the road. Remember the radar antenna and laser sensor are located behind the rear panel of the unit.

The antenna and sensors should not be obstructed by metal or metallic surfaces and should be pointed at the horizon for accurate long-range detection.

- Choose a location that does not block the driver's vision
- Mount the detector in a level position.
- Do not mount the detector behind the metal surfaces and ornaments mirrored sunscreen.

Tinted windows reduce the received laser signal strength.

Do not mount the detector behind tinted glass. Do not mount the detector where the driver or passenger might hit in a sudden stop or accident.

Mounting Type

There are two ways of installation

Hook and Loop Mounting

The hook and loop tape included with your detector might be the best mounting method for some dashboards.

Follow these instructions to use the hook and loop tape to mount the unit on the dashboard.

1. Use a damp cloth to thoroughly clean the dashboard.
2. Peel off the paper backing of the tape and apply the tape to the bottom of the detector
3. Remove the paper backing from the other side of the tape and press the detector onto the dashboard.

Windshield Mounting

The supplied windshield bracket and suction cups let you quickly mount the detector on your vehicle's windshield.

Follow these steps to use mounting bracket kit.

1. Install the suction cups onto the bracket by fitting them into their holes.
2. Attach the bracket to windshield.
3. Attach the detector to the bracket.
4. Bend bracket for correct detection angle.
5. Plug power cord DC12V into detector.
6. Plug power cord into cigarette lighter.

Cautions: Some new models of cars have a plastic safety coating which is applied to the windshield. The suction cups may leave permanent marks on the windshield once they are removed. Check vehicle owner's manual to see if your car has the plastic safety coating.

Connecting the Power

The CCT278 detector is designed to operate on most DC 12V negative ground vehicle electrical systems. The power cord provided with the detector has a cigarette lighter socket plug at one end and a small connector at the other.

1. Insert the small connector into the jack on the side of the detector.
2. Insert the other end into the cigarette lighter socket of your vehicle.

If the detector does not operate when you turn it on, remove the adapter from the cigarette lighter socket and carefully check the socket for debris. Also, check the fuse in the adapter and your vehicle's fuse box.

Replacing the Fuse

If the detector stops operating, the fuse in the cigarette lighter plug might be blown. If it has blown, follow these steps to replace it:

1. To replace the fuse, unscrew the top of the plug.
2. Remove the fuse and check the fuse to see if it has blown. If it has, replace it.

OPERATION

1) Power On & Volume Control

Rotate the Power and Volume control wheel clockwise to turn the Power on/off. This wheel can adjust volume up/down also by moving back and forth.

2) Memory

It will automatically remember your last settings when the unit is turned off or removed from the power. All features selected are retained in the memory except for MUTE. Each time when power turns on, MUTE OFF will be set.

3) Display Brightness Control (Dim mode)

Dim mode reduces the illumination of the display. Press the DIM button repeatedly to toggle between four levels of brightness modes: Bright - Dim - Dimmer - Dark

4) Highway & City mode Selection

Press the CITY button to toggle between Highway and City modes.

X-band occupied by police radar is also shared for other uses, such as automatic door openers like the ones used at supermarkets, burglar alarms, terrestrial microwave emission, RF braking systems, and other devices. In addition, other radar detectors in close proximity may falsely alert your detector. To reduce false alerts, the CCT278 detector has different highway and city modes. Highway modes provide full immediate response to all signals detected. City modes minimize unwanted false alarms in an urban environment. When City mode is selected, “C” icon of the display will turn on and when Highway mode is selected, “H” icon of the display will turn on.

- Highway 1 : “H” icon on
- Highway 2 : “H” and “2” icons on
- City 1 : “C” icon on
- City 2 : “C” and “2” icons on – Maximum filtering against urban false signal sources.

NOTE: X band is not detected at Highway 2 and City2 modes. Some towns and small cities may still be using X band radar.

5) Tutorial mode

The CCT278 detector has a tutorial mode intended to familiarize you with the various visual displays and distinct audible alerts that the unit performs. Press and hold the DIM buttons for 3 seconds to begin the tutorial mode. It will demonstrate how it operates when each radar and laser band signal is detected.

The numbers of “2”, “3”, “4” at display are called signal strength meters when they are used to indicate how strong a signal being detected is. As a signal strength meter they are displayed together with a radar band (X, K, Ka). The higher the number, the stronger the radar signals.

6) Mute on/off Selection (Mute mode)

Press the MUTE button repeatedly to toggle between mute on and mute off modes. Mute on will silence the audio alarm for the remainder of an existing signal and for any new alert received.

7) Receiving and Identifying Radar

Distinctive audible alarms will be emitted for X, K and Ka band radar signals. The alarm sounds will occur faster and faster as the signal gets stronger (as you get closer to the source). When the signal gets very strong, the alarm sounds become continuous tones.

8) VG-2 Undetectable

The VG-2, also known as a “radar detector detector”, is a special receiver used by police to detect signals radiated by a radar detector. The CCT278 detector is not detected by VG-2 device.

CARE AND MAINTENANCE

The CCT278 detector is an example of superior design and craftsmanship. The following suggestions will help you to handle your detector in a proper way so you can enjoy it for years.

Never leave the detector on the dashboard when you park your vehicle. The temperature in the vehicle in summer can reach levels above what is considered to be safe for this detector.

To make you less susceptible to break-in and theft, remove the detector from your dashboard when you leave your vehicle.

Do not expose the detector to moisture. Rain dew, road splash, or other liquids can damage the internal components and reduce sensitivity of the detector.

FCC Information(FCC ID : W75-CCT278)

This device complies with part 15 of FCC rules: 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.

CAUTION: Modifications or parts not approved by enKo products may violate FCC rules and void authority to operate this equipment.

Limited 1-Year Warranty

enKo products warrants that its products, and the component parts thereof, will be free of defects in workmanship and materials for a period of one year from the date of its consumer purchase.

SPECIFICATIONS

RADAR

Receiver Type:	Dual Conversion Super-heterodyne
Antenna Type:	Linear Polarized. Self-Contained Antenna
Detector Type:	Frequency Discriminator
Frequency of Operation:	X Band 10.525 GHz \pm 0.050 GHz K Band 24.150 GHz \pm 0.100 GHz Ka Band 34.700GHz \pm 1.300 GHz (Super wide band)

LASER

Receiver Type:	Pulsed Laser Signal Receiver
Detector Type:	Digital Signal Processor
Opto Sensor:	Photo Diode with Convex Condenser Lens
Spectral Response :	905 nm \pm 50 nm

General

Operating Temperature Range:	-20 °C to 70 °C
Storage Temperature Range:	-30 °C to 80 °C
Power Requirements:	12 VDC to 15 VDC, 120 mA (Negative Ground)

**Specifications are typical. Individual units might vary.
Specifications are subject to change without notice.*