

One-Way Remote

General Description

PKO-R1000U is remote controler for remote cat start, Door lock/Unlock and Trunk open.

Antenna

The antenna system for the PKO-R1000U is formed by the pattern of PCB Board with Inductor L4. Capacitor C2 and L3 matches the antenna impadance and RF amplifier.

TX PART(TH72011)

The TH72011 is a single chip FSK transmitter for the frequency bands 380-450MHz. The IC offers a high level of integration and needs only a few external components. The device contains a fully integrated PLL synthesizer and a high efficiency power amplifier to drive a antenna. A special circuit design and an unique power amplifier design are used to save current consumption and therefore to save battery live. Additionally features like a power down mode, a low power detect, a selectable crystal oscillator frequency and a divided clock output are implemented. The IC can be used for FSK modulation.

Microprocessor(MPU)

The PKO-R1000U is controlled by the microprocessor
Microprocessor has ROM, RAM, A/D converter, In/Out port
When power is applied, the microprocessor operates by using the I/O port, then data is send to brain via TH72011.

2. Features

The PROSS KOREA ONE WAY CAR REMOTE(PKO-R1000) have many features as follows.

- . Engine start / stop
- . Door open / close
- . Trunk open / close
- . Parking light on / off
- . Siren(1~25 secor off)
- . Cold start
- . Engine warm-up time(1~30 min or off)
- . Driving / passive lock(on or off)
- . Use single '2032' lithium ion battery
- . Optionable auxiliary output
- . Optionable auxiliary input

3. Specifications

OPERATING FREQUENCY	FM433.92MHz
ANTENNA IMPEDENCE OF R/C	50Ω
FREQUENCY STABILITY	±5ppm(−10℃ ~ +50℃)
REMORT OPERATING VOLTAGE	CR2032 3.0V Lithium ion Battery
MODULATION TYPE	FSK
MODULATION DEVIATION	STD 3KHz
OUTPUT RF POWER	
RF OPERATING RANGE(OPEN FIELD)	1Km(up to 300ft)
OPERATING TEMPERATURE	−20℃ ~ +70℃
WEIGHT	
DIMENSION	57 x 34.3 x 11.6

User's Manual

1. Product details
2. A function of each button
 - 2-1 remote control to engine start
 - Press button 'A' on remote control over 2 seconds
 - Receiving the execution and complete the engine starting, and then make a siren and a light on four times each
 - * Want to stop the engine urgently when it start on remote control, press button 'A'
 - * Want to stop the engine by the remote control, press button 'A' over 2 seconds again
 - 2-2 Door lock /door open
 - Press button 'A', lock the door and shift a panic mode
 - Press button 'A', open the door and release a panic mode
 - 2-3 Open the trunk
 - Press button 'C' over 2 seconds and open the trunk
 - 2-4 Panic
 - In emergency, Press button 'B' over 2 seconds and make panic sound
 - 2-5 Searching the vehicle
 - Press button 'C' when the owner want to do searching the vehicle
 - Make panic 3 times and the vehicle light on and off
3. Manual transmission vehicle
 - If the owner start the engine on other gears except neutral, it will occur on accident. Therefore, the remote control system make preparation against the accident and design for available the remote starting require to execute the manual reserved.
 - a. After a mounted, must engine start with key.
 - b. Shift the neutral and pull the side break and remove the key. The engine still run
 - c. Open the door and get off the vehicle and door close, and then the engine stop. Available remote start.
 - ** * However it complete the manual reserved, in case of the door open again, cancel the manual reserved.

FCC NOTE

: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, uses 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.

THIS DEVICE COMPLIES WITH PART 15 OF THE 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 UNDESIRE OPERATION

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.