

Datasheet

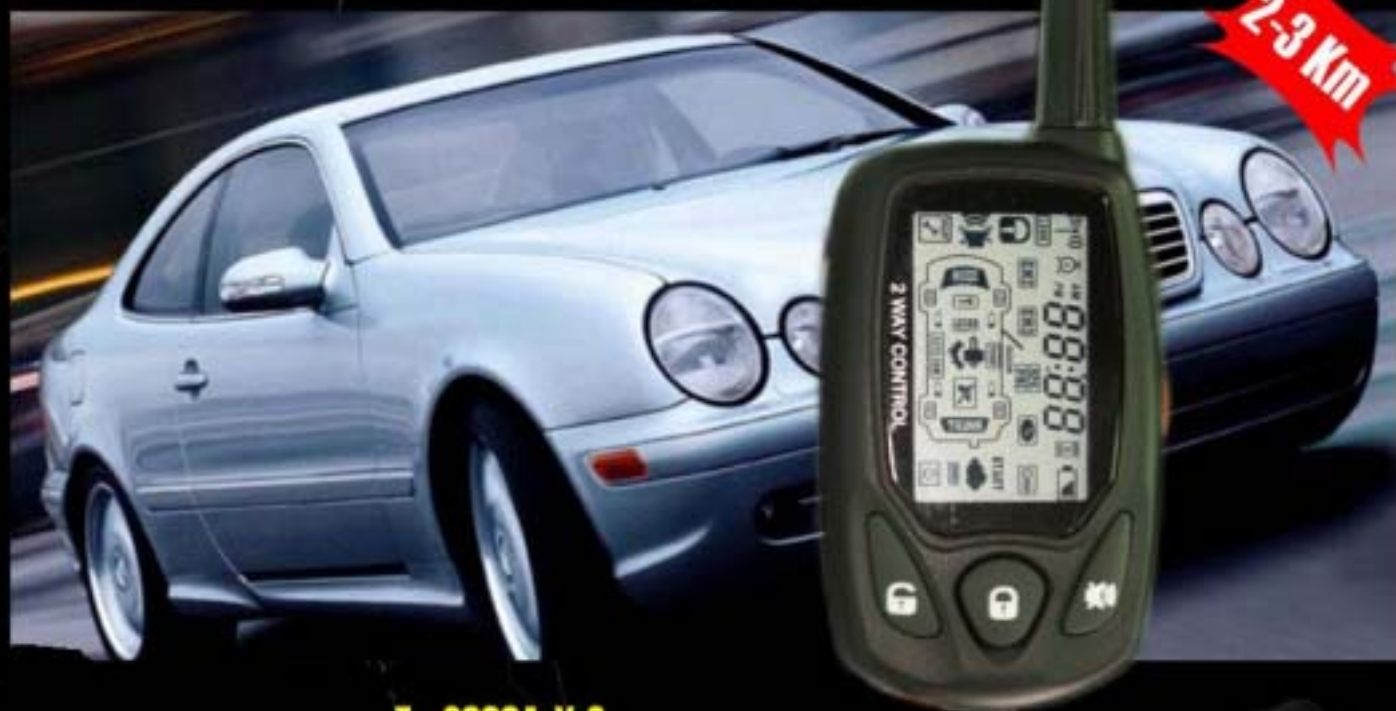
T-3000A

(for I-type & X-type)

30 Oct 2006



Tire Pressure Monitoring + 2-way Security System



T-3000A-X-S

TPMS Main Functions

Ensure the safety of vehicle driving.
Reduce fuel consumption.
Extend tires lives.
Real time monitoring tires pressures.



Wireless



2-Way Security Main Functions

Activate arming/ disarming.
Activate silent arming/disarming.
Activate arming under engine running.
Driver paging.
Remote shock sensor bypass.
Valet mode on/off by remote control.
Set up backlight on/off while alarm is triggered.
Set up last door arming and security re-arm.
Set up output time of CH-3.
Set up output time of CH-2.
Engine starter kill relay output type.
Password pin code setup.
LED display statement.
Activate arming without remote control.

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TPMS System

T- 3000A Series

X-type and I-type

(X: eXternal sensor design I: Internal sensor design)

The T-3000A TPMS series provide TPMS system with car alarm. The integration of TPMS and car alarm can help customers to save money and space and more convenience to keep car in safety

General Features

- Alerts when tyre pressure drops below/ raises above recommended level
- Alerts when tyre temperature raises above recommended level
- Provide graphic user interface
- Monitoring tyre pressure anytime
- Expands tyre lifespan
- Saves fuel consumption
- Improves safety
- Detects leakage before harm is done
- Easy to install (X-type)
- High accuracy
- Not affected by bumpy roads
- Allows user preset value
- Car alarm is equipped with

Technical Specifications

Sensor

Operation Environment:

- Operating temperature range -30 to145
- Storage temperature range -40 to145
- Operating humidity 100%
- Shock >500G

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Power

- Sensor is equipped with battery
 - I -type CR2450 3V
 - X-type CR1632 3V
- Battery life
 - I- type 5 to 8 Years
 - X-type 2 to 5 Years

Dimensions

- Weight
 - I- type 25g +- 1 g (Includes valve stem)
 - X-type 11g +- 1 g
- Size
 - I- type
 - Length 29 mm
 - Width 29 mm
 - Height 10 mm
 - X-type
 - Diameter 18.5 mm
 - Height 20 mm

Remote Controller (TD-3000 two-way controller)

Current

- Voltage Range of Normal Current Supply 9~18V
- Current for system 20mA
- Maximum output current Capacity:
 - Connection for siren circuit 2A
 - Connection for parking light circuit 2*7.5A
 - Central door locking circuit 15A
 - Engine lock circuit 40A
 - Circuit for controlling additional channel 300mA

Operation Environment

- Operating temperature range -30 to 85
- Storage temperature range -40 to 105

- Operating humidity 100 %

Power

- Power Required 12V DC or Battery DC 3V
- Battery Life 2Years
- Battery type AAA 1.5V (x1)
- One-way Remote Control Supply 12VDC (x1)

Dimensions TD-3000A two-way controller

- Weight 25.7 g
- Size
 - Length 58 mm
 - Width 36 mm
 - Height 19 mm
- LCD View size
 - Length 33 mm
 - Width 23 mm

Security

- Instructions to alarm functions
- Activate arming/disarming
- Activate silent arming/disarming
- Activate auto-detecting function under arming mode
- Alert signal under arming mode
- Pause alert when alarm being triggered
- Intrusion identification
- Activate arming under engine running
- Panic function
- Car finding by remote control
- Driver paging
- Trunk released by remote control---CH-1
- Central door locking/unlocking by remote control under engine running
- Anti-car jack function
- Instructions to function button on LCD remote control
- Quick set up countdown timer
- Instructions to complex buttons of remote control

T-3000A

- Remote shock sensor bypass
- Valet mode on/off by remote control
- Check car condition by remote control
- Set up backlight On/Off while alarm is triggered
- LCD remote control sound/vibration mode selection
- Instructions to programmable function setup
- Set up output time of CH-3Set up siren alarm sounding frame
- Set up central door locking motor time frame
- Ignition on/off to control door lock/unlock
- Set up last door arming and security re-arm
- Dome light delay function
- Set up output time of CH-2
- Set up parking light flashing when doors opened
- Set up engine starter disable mode
- Engine starter kill relay output type
- Instruction to other functions
- Alarm memory when power interrupted
- Password Pin Code setup
- Activate arming without remote control
- Activate disarming without remote control
- LED display statement

An integrated approach to having TPMS system and car alarm

The T-3000A offers friendly-graphic interface of LCD monitor to guide drivers understand the status of tyres and maintain car in a safe condition. Plus car alarm, driver don't need to keep two systems in two separated control panels. "Simplify to just One System" is what we position this system.

Installation

- Bundled with car alarm and save technician time and simplify wiring tasks compared with installation of two separated systems in one car

Management

- Powerful graphical user interface for rapid understandings of tyre status
- Two-way vehicle security system to secure car
- Real-time monitoring of tyre pressure and temperature is also achieved to

allow users to get information immediately

- When start engine to remind driver TPMS is ready
- One remote controller can monitor both tyre pressure and secure car from burglary

Reliability and Robust

- All sensors (X-type) are locked with special tool
- All major components are swappable in case any component is broken
- Strict environmental test has approved its lifespan can last for up to 10 years
- Provides signal accessibility by providing peripheral signal integrity technology
- Receiver has fuzzy to learn IDs from original sensors and spared sensors
- Extremely lightweight, tiny size and special mechanical design of sensor have won TD-3000A the best TPMS system in this industry