KE-CLR-TX90

REMOTE CONTROL CENTRAL LOCKING MODULE
INSTALLATION INSTRUCTIONS

Read all instructions fully before beginning installation.

The KE-CLR-TX90 remote control central locking controller is designed to provide low cost, feature packed central locking enhancement to factory and after market central locking systems. With enough memory to track five separate remote controls.

LOCK & UNLOCK

Press the lock remote control button to activate the on-board lock relay, the indicator relay will activate twice to confirm the operation. Press the unlock remote control button to activate the on-board unlock relay, the indicator relay will activate once to confirm the operation.

BOOT RELEASE

Press and hold the unlock button to output a negative signal on the boot release wire. The flasher relay will activate four times each time the boot release signal is sent. Extra relays are required to power a solenoid.

SELECTABLE OPTIONS

The KE-CLR-TX90 has six selectable options. To alter the options,

1. Ground the door wire (open door).
2. Turn the ignition switch to the ON position the number of times corresponding to option number.
3. Press the remote control after the single indicator flash.
4. The indicators will then flash once or three times depending on the new setting (see table for details).

ANTI HIJACK (OPTION #5)

The KE-CLR-TX90 will lock the vehicle door two seconds after the ignition is switched on, providing the door remains closed. The KE-CLR-TX90 will then unlock the doors when the ignition switch is turned off.

It is important that the door sense wire is connected to the door switch. Failure to do so may result in the customer locking their keys in the car. Or if the door sense wire is permanently grounded the Anti-Hijack feature will not function.

PROGRAMMING REMOTES (OPTION #7)

1. Turn the ignition switch from the ACC position to the ON position seven times..
2. Leave the ignition in the ON position on the 7th time.
3. Indicators will flash once when module is ready to accept new remote.
4. Press new remote control, 4 indicator flashes confirm code.
5. Remove key from ignition switch and test all remotes.

RE-LOCK (OPTION #9)

Press a valid remote button to unlock the car, provided the interior dome light does not come on, the door will relock after 1 minute 45 seconds. The re-lock signal will be accompanied by the usual two indicator signals. The re-lock signal will be cancelled if the vehicle's dome light is activated by the doors unlocking.

It is important that the door sense wire is connected to the door switch. Failure to do so may result in the customer locking their keys in the car. Or if the door sense wire is permanently grounded this feature will not function.

LONG INDICATOR FLASH (OPTION #15)

As an extra safety feature, the indicators of the vehicle can be made to light up for 25 seconds after the doors are unlocked. The indicators will extinguish immediately if the ignition is switched on.

LOCK/UNLOCK PULSE TIME (OPTION #17)

Pneumatic central locking systems found in car like Mercedes, Jaguar and Audi require longer central locking pulses to activate the air compressor. Change option #15 to extend the central locking pulse to three seconds.

*** Warning - direct drive relay setups will burn out actuators, ensure changing option #15 responds with one flash in these instances.

TOTAL CLOSURE (OPTION #19)

A 15 second pulse is output on the boot release wire if the unlock button on the remote is pressed within 15 seconds of locking the doors. A successful total closure operation is accompanied by four indicator flashes. This pulse may be used to trigger window closure module.

*** Warning - boot release solenoids will burn out if option #19 is set to total closure, ensure option setting is correct and relay output circuit contains inline fuse

WIRE COLOURS AND DESCRIPTIONS

WIRE COLOUR	DESTINATION	PURPOSE
RED	+12VDC (10amps min)	Power for module
BLACK	Chassis	Ground for module
PURPLE	Ignition switch (ON position)	Ignition sense
GREEN	-Ve door switch	Door sense
YELLOWs	Left & Right indicator O/P	10A max
Thin RED	LED positive supply	
BLUE	Normally closed relay I/P	See config's
BROWN	Normally open relay I/P	See config's
GREY	Unlock relay output	See config's
WHITE	Lock relay output	See config's
BLACK/WHITE	Negative boot release O/P	300mA max

USER SELECTABLE OPTIONS

#IGN TURNS	DESC	1 FLASH	3 FLASH
5	ANTI-HIJACK	DISABLED	ENABLED
7	PROGRAM NEW	N/A	N/A
9	RE-LOCK	DISABLED	ENABLED
15	INDICATOR FLASH	1 SECOND	25 SECONDS***
17	CDL PULSE	0.8 SECONDS	3 SECONDS
19	BOOT RELEASE / TOTAL CLOSURE	B.RELEASE	T.CLOSURE

BATTERY REPLACEMENT

Twist a wide flat blade screwdriver in the groove at the key ring end to carefully separate the top and bottom case halves. Extract the PCB and batteries from the bottom case. Slide the old batteries whilst paying attention to the orientation of the positive and negative terminals. Insert the new batteries in identical fashion to the original batteries and re-assemble remote.

Test remote control by pressing main button. For further information, please contact your local service centre. The remote control uses two CR2032 3 volt Lithium batteries.

CASE BOTTOM · MEMBRANE · BATTERIES · PCB TOPSIDE · KEYRING · CASE TOP · PCB BOTTOM SIDE

*** Software bug - enabling 25second indication flash (option #15) interferes with subsequent three/one option setting reports. Option #15 cancels the indicator flash if the ignition switch is on. Change option #15 last (if at all).