Immobilizer
Model : ERIoT-IMB-V2

Technical Specification

- Operating voltage: 9-36V
- DC Rated coil voltage: 12V DC
- Relay Current consumption: 75 mA
- Max load current: 22A @ 30V DC Resistive
- Operating temperature: -40°C To +85°C
- Electrical endurance: 100000 Ops
- IP Rating: IP65
- Standard to comply: ISO7637-1
- LED : Immobilizer gets the Power from Vehicle Tracking System (VTS)
- 6 Lines on Immobilizer
  - To know through one Digital Input to VTS that the immobilizer is connected i.e. 5V DC (1 Line)
  - To the Immobilizer from VTS i.e. One Digital Input Signal @ 5V To 12V @10mA (1 Line)
  - Digital Output – Relay – 1 CO Potential Free Contact (3 Lines)
  - To connect to the ignition line i.e. 9-36V DC GND (1 Line)
  - Ground (1 Line)

Wiring Details

1. Yellow wire - Immobilizer connected output voltage i.e. 5V DC or w.r.t. Ignition Supply
2. Red wire –Ignition supply voltage 9V to 36V DC
3. Green wire - Tracker digital output signal i.e.5V to 12 @ 10mA
4. Black wire – Ground
5. Blue wire – Comman
6. Red wire – NO (With Respect to Blue Wire)
7. Black wire – NC (With Respect to Blue Wire)

Test Procedure

1. Connect Ignition supply voltage to red wire w.r.t. ground i.e. 9V to 36V DC, variable power supply
2. Connect Tracker digital output signal to green wire w.r.t ground on 5V to 12V @10mA
3. Connect multimeter probes to the blue wire on the continuity test
4. Gives the 9V DC supply to the red wire w.r.t. Black wire, When supply is 9V DC and test the continuity on the blue wire and Red Wire it is NO (Normally Open) and test the continuity on the blue wire and Black Wire it is NC Normally Close)
5. Measure the voltage at yellow wire w.r.t. ground, It should be w.r.t red wire supply voltage. (Please consider voltage drop across the diode)
6. The next step is to apply the 5V To 12V @10mA supply to a green wire
7. Relay contact should be changed after time delay of 2 Second NO (Normally Open) to NC (Normally Closed) and NC (Normally Closed) to NO (Normally Open)