# ECE (INDIA) Energies Private Limited

Traffic Light Sequencer Wireless System

The wireless traffic light controller system is RF wireless operated, fully automatic, timing based and programmable.  The system is custom designed for multi-road junctions and different traffic sequences.  We design and manufacture traffic light controller system and sequencer for a wide variety roadways and railways applications.  The complete system consists of a programmable master controller unit (control and operate) and multiple slave units (to control the traffic lights).  The slave units have multiple (potential-free) relay outputs points.  There can be 1/2/3/4/5 or even up to 8 slave units controlled from the same master unit.

The master control unit can be programmed to control a variety of different light on / off sequences for various directions of traffic.  These sequences contain individual timing of Red->Amber->Green, Flash light timing etc.  The individual timing parameters can be programmed as per requirement or traffic load conditions.

This traffic light controller system is also capable of operating in manual mode, with a dedicated sequence button for each of type of traffic conditioning.  Any time during the operation of automatic mode, the user can press the manual button to enter manual mode.

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**Advantage and features:**

- Fully Automatic
- Traffic light controller system is RF wireless controlled
- No more need to dig wires for installation / maintenance
- On the fly programming of timing parameters for 24 hrs. with auto save feature
- Real time clock (RTC) inbuilt
- Master Unit LCD with menu for programming
- Slave unit multiple relay drives for traffic lights
- Master can control primary and secondary slave unit for any number of poles
- Manual switching of lights possible anytime in between ongoing automatic operation
- Available in standard models and custom designs for any type of traffic sequences

Note: - Material can be modified as per customer specifications

## Traffic Light System

Slave Unit 3

Slave Unit 2

Slave Unit 4

Master Controller Unit

Slave Unit 1

**Wireless Automatic Control System**