

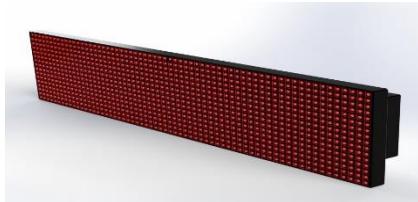


# SAGAR ELECTRONICS

Email : [electronics.sagar@gmail.com](mailto:electronics.sagar@gmail.com)

## Products Manual

### **User Fare Display:**



Custom designed UFD as Per Customer Requirement  
• Single, Dual and Multicolour  
• Size of characters and UFD are as per the requirement of customers.  
• Programmable for text, languages, and character sizes besides static & scrolling options.

### **Fog Light:**

**Fog Lights** The Fog Lights are located on the bull nose(crash barrier) in a position where it is readily visible to the motorists. The specially designed Fog Lights usually in any single colour consists of an inner white amber core which is flashing and an outer ring Amber which will be permanently glowing. Fog Lights are available in 200mm & 300mm dia sizes. Blinker control unit can be an added feature with the fog light that can control more than 20 lights in a Toll plaza for simultaneous operation.



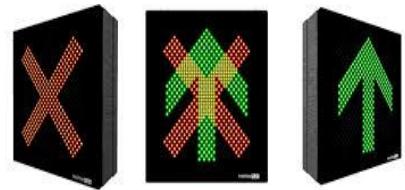
### **Traffic Light:**



**Transaction Signals or Toll Traffic Lights** These are Red and Green signal lights installed before the exit barrier for wait & go signal to the motorists for paying toll fee. The Transaction Signal lights are used to be 200mm dia lights

### **OHLS:**

Available in 300mm dia, round and 500mm/960mm square sizes. The LED based Arrow & Cross are exposed without front screen. The LEDs are protected with high quality optical lens that ensures required IP specification and avoids reflection & refraction. Housings made of high density polycarbonate for 300mm dia and high quality metal for other sizes. Protection: IP 65





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## **Solar Blinker:**



These traffic warning flashers are designed to warn vehicular traffic moving in speed, about possible hazards ahead. Road intersections, pedestrian crosswalks, school zones, hospitals, fire station, villages and village roads, steep climbs and sharp bends on hilly roads are a few examples of its applications for both, on city road as well as highways

## **Countdown Timer:**

Countdown timers are digital displays to indicate the time remaining for the next change of signal sequence. They are either installed alongside the Traffic Lights for the motorist to get the information on the time left for the signal to be green from red or vice versa. The countdown timers are one of the most important equipment for the pedestrian as this gives them information on how much more time they are left to cross the zebra crossing. The count-down timer can be programmed to start either when the desired signal indication appears or when the flashing DON'T WALK or Hand indication appears.



## **Industrial Revolving Light:**



, available in red /Amber colour with siren or without 12V,24V,230V.

## **Violation siren:**

Violation siren available for violation/warning siren, Operating volts 12V/24V/230VAC





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## **LED Module:**



P10 Led module with 16x32 and 32x32 matrix.  
viewing angle and reliable circuit.

## **DIO Card and Relay Card :**



DIO Card for interface any Digital input and output to TLC & AVC.  
RELAY Card to interface any peripheral to TLC & AVC

## **Product & PCB Design Services**

We offer design and support of any electronics product and services as per customer requirement. We are 15 years experience in Product design with multiple industries and have speciality in electronics circuits and PCB design.

### **Conceptual Ready products:**

- VMS: Monochrome and Full colour VMS as per NHAI Requirement.
- IPTMS: Traffic management System as per Customer requirement.
- IPIS: Integrated Passenger information system for Indian Railway.
- PIS for EMU: Passenger information system of EMU for Indian Railway
- AFCS: Auto fuse changeover System for Indian railway signalling.

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