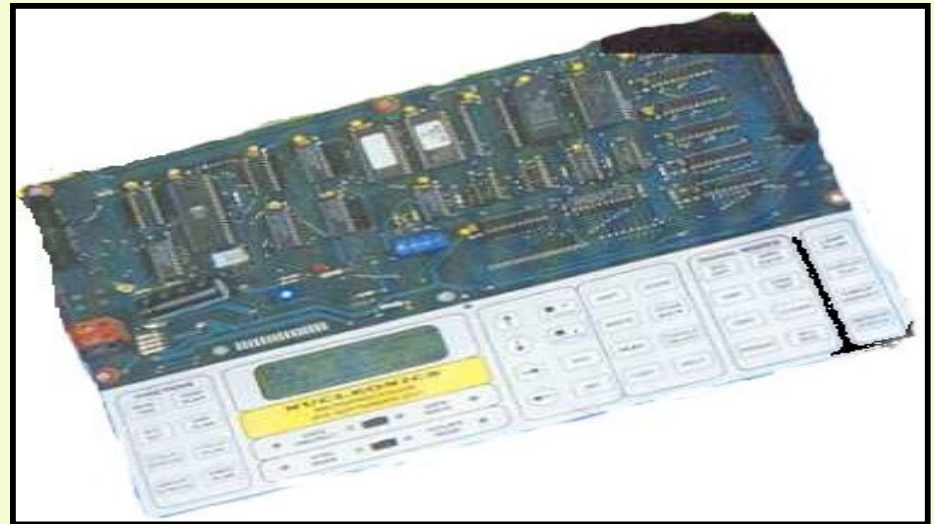
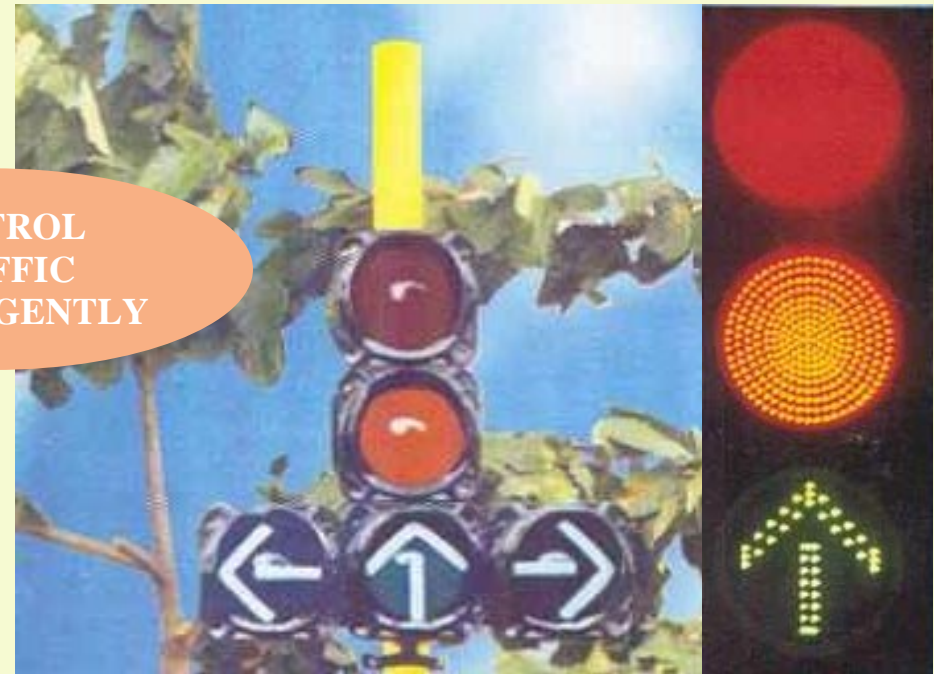


MICROPROCESSOR BASED TRAFFIC SIGNAL CONTROLLER – MODEL – ATS SOFT GREEN 2031

20 X 4 Alphanumeric LCD Display controller is programmable for full year (leap year will be adjusted automatically) and work on "Time Of The Day " and " Day Of The Year " basis.

- 32 signal Groups.
- 100 Cycle plans; 25 Engineering Plans.
- 16 Day Plans; 48 Transactions per Day.
- 48 Signal Splits per Cycle.
- 24 Conflict conditions with hardware conflict monitor.
- Solid State Zero Cross for DC Voltage Switching.
- Facility for long Chord "MANUAL MODE SWITCH ". For advancing each stage with single button.
- Provision of night blinking in Amber/Red Blinking.
- Smooth Change Over Cycle plan i.e. cycle plan change will be implemented from 1st stage only and not in middle of cycle.
- Each stage programmable with Offset, Vehicular Green, Clearance Amber, Pedestrian Green, Pedestrian warning interval and Inter Green interval. Vehicular Green programmable for minimum, maximum and normal timings.
- Changing of modes that is " Auto to Manual ", " Manual to Auto ", " Auto to Emergency Stage ", " Emergency Stage to Auto ", " Auto to Flashing " and "Flashing to Auto" is affected with all safety constrains taking into consideration such as minimum greens, all red periods, initial intervals clearance amber.

CONTROL
TRAFFIC
INTELLIGENTLY



MODEL ATS SOFT GREEN 2031

SPECIAL RESCUE SOFTWARE

- The unique “Rescue “ software which will clear an ambulance or VIP vehicle with minimum delay without affecting the running vehicular traffic pattern on the request of policeman by pressing the rescue switch provided on police panel. The above feature is not provided uptill now by any other manufactures.
- Use of opto isolator to achieve Galvanic Separation between input and output for error free operations.
- Easier changing of a parameter value in decimal with the use of cursor control and not with the jubling hex number.
- Maximum and minimum values of parameter are checked continuously while editing, writing and operating.

LED LAMP HEADS

1. International standard Ultra bright LEDs arranged randomly in various groups for uniform light intensity.
2. Years of maintenance free operation because of LEDs.
3. Very low power consumption upto low 10 Watt which is one tenth of ordinary GLS bulbs.
4. Specially developed patented “ CVTZ ” LED driving technology.
5. Lamp head body material either FRP or polycarbonate.



SYNCHRONISATION

1. RS-485/422/232 physical interface.
2. One master can drive 32 slaves upto 2 km. Distance can be increased with use of repeater distance and selectable baud rates.
3. At present our own protocol with intelhex data frame of 25 bytes including start end and checksum fields.
4. Networking with other manufactures controller is possible very easily on receipt of protocol details or otherwise also.
5. The “ Down “ data frame (master to slave) includes the data fields such as junction offset time clock and calendar data, hurry call and green wave instructions, blinker or signal switch off commands, sync or isolate mode commands, program variables.
6. The “ Up “ data frame (slave to master) includes present signal status , mode of operation, real time clock and calendar data fault reporting, manual request by Policeman.
7. The master can also communicate to central computer located far away from its corridor via modem through public telephone lines to work under UTC or ATS however customer is requested to supply the communication protocol of parent traffic management computer software.
8. In house software development capability to implement any protocol for communication.
9. Upgradable to any communication media such as wireless, PSTN, GSM or fiber optic.

Vehicle Detection

10. Fully compatible with any type of vehicle detector such as magnetic loop, infra-red, microwave or rubber tube. Only with connection of sensor interface card required, software automatically adjusts itself to vehicle detection mode.