

ROAD TRAFFIC SIGNAL
CONTROL MACHINE



TRAFFIC LIGHT CONTROLLER

TRIACS 1008 / TRIACS 1016 SERIES

Established since 2016, Triacs Technology Sdn. Bhd. has continuously been upgrading and improving our products with latest and state of the art.

TRIACS

(Traffic Responsive Adaptive Control System) proudly present the TRIACS 1008 & 1016 Series Controller as our latest state of art traffic light controller

01 TRIACS 1008/1016 is incorporated with a more efficient and reable conflict control and lamp monitoring system

02 Using double detection system, this controller be able to detect any type of alarm such as green conflict, double lamp, short circuit and lamp failure

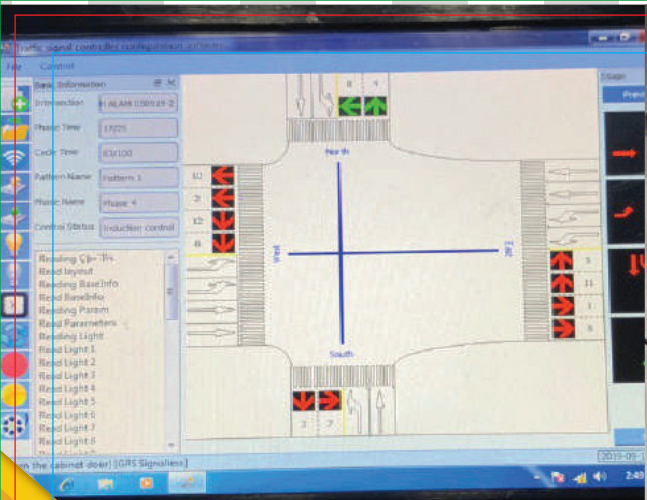
03 Our latest TRIACS 1008/1016 has a fully dedicated microcontroller in a highly modular design package that makes system implementation more flexible, diverse and scalable

04 Full compatible with the Intelligent Traffic System (ITS), Urban Traffic Control Center and can communicated via Dial-Up, Broadband M2M(GPRS) 3G, 4G and 5G

05 It also has a GPS clock feature and is fully compatible with the MTCS RF Greenwave Link Module for inter-junction linking.

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Protection

- 01 Every lamp for each group comes complete with fuse protection to reduce risk of over current and short-circuit
- 02 Each lamp also comes complete with surge protector to reduce risk of surge and lightning strike
- 03 The control board also has a complete reverse current protection



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Main Features

- 01 Fully dedicated microcontroller based operation
- 02 Basic 4 groups, expandable to 32 groups
- 03 Basic 4 channel vehicle detection up to 36 channel or semi VA
- 04 Full Vehicle Actuated (VA) operation or Multiplan Control
- 05 Full Wireless Vehicle Actuated (WVA) Countdown System(must additional system)
- 06 Complete lamp monitoring, fuse blown & conflict detection
- 07 Configuration with Touch Screen Display Unit includes/ RS485, Ethernet and Wifi communication with software traffic management time inside
- 08 Wifi communication for configuration and maintenance requirement

- 09 Can remote from Control Center with VPN fix IP protocol complete with security
- 10 Use professional traffic light system configuration and collect actual data

Conflict Monitoring

- 01 Safety of the road users are always our highest priority
- 02 Even with all the circuit protection incorporated, problems occur at site
- 03 By monitoring every lamp (R,Y,G) of each group individually, we are able to detect any conflict that might occur and take corrective action. Conflicts that may occur are:
 - Green on Green Conflict
 - All Red Failure
 - Any Double Lamp Conflict

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