TRAFFIC CONTROL SYSTEM

We provide traffic signal control products, support and services includes supply and installation of traffic control equipment and operation, maintenance for signalized traffic control system.

XIM Traffic Signal Controller

XIM is microprocessor based intelligent traffic signal controller design to control from small size intersection to large size intersections with the maximum throughput and efficiency. It has highly modular structure which allows to fully scalable configuration and design. XIM traffic controller is incorporated with fixed time mode, Multiplan mode, vehicle actuated mode, Multiplan vehicle actuated mode, Police control mode, UTC-link mode, Pelican mode, integrated Pelican mode, grid connected mode, flashing amber mode, Go-Green link mode, XITS (XIM Intelligent Transportation System) link mode of operations and various VA (adaptable time based on vehicle volume instead of fixed time countdown) and non-VA mode of digital countdown operations.

Operational Specifications

- Available in 4, 8, 12, 16, 20 signal group configurations
- Flow control up to 10 phase pedestrian or vehicle
- Vehicle detection inputs up to 32 inductive
- 48 digital inputs
- Pelican demand up to 12 inputs
- Backed up with UPS or solar power
- Fault log capacity to 10 years
- Data log capacity to 3 years
- RF wireless interface
- LAN, fiber leased line and Wi-Fi interconnect, 3G/4G, Bluetooth compatibility
- Programming by XIMP (Windows/Android/IOS)
- Voltage monitoring per signal output
- Current monitoring per signal output
- Signal lamp fuse blown detection per signal output
- Incorporated lightning strike and surge protection
- Green-on-Green conflict monitoring
- Green-Yellow conflict monitoring
- Green –Red conflict monitoring
- Red-Yellow conflict monitoring
- Conflicting red absence monitoring
- Conflicting amber absence monitoring
- Conflicting green absence monitoring
- Safety action backup plan to flashing amber and blanking traffic signal lamps

Electro-mechanical Specifications

- Front and rear door accessible epoxy coated GI cabinet
- 2 door and 4 door (UPS compartment) cabinet
- Detachable Rack for PCB cards sliding in (preferred by overseas market)
- Compliant to IP33 protection standard
- Compliant to IEC 255-21-1, to IEC 255-21-2 mechanical standard
- Compliant to IEC 60068-2-2, IEC 60068-2-3, IEC 60068-2-30 environmental standard
- Compliant to BS EN 50293 : 2012 electromagnetic standard
- Operating voltage 220/110 Vac
- Operating Voltage Frequency 50/60 Hz
- Controller Power consumption 60W
- Operating Temperature compliant to industrial grade standards

INTEGRATED SYSTEMS TECHNOLOGY

"You Deserve Intelligent Solution, We Deliver"

TRAFFIC CONTROL SYSTEM

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XIM Auxiliary Traffic Controller

The XIM Auxiliary traffic light control system is designed to fill the need for temporary control solution in situations of critical breakdown where immediate fixing and repairs are not possible. It consists of microprocessor dedicated control card housed in ultra-compact housing which can also fit into existing controller cabinet or can be extended to portable new cabinet. System comes standard with preset 4 phase, 6 signal group output configuration and pre-programmed time setting for various size junctions.

Operational Specifications

- 6 Phase (max) configurable to various mode
- Vehicle Actuated and Multiplan Operations supported supported
- 6 signal groups maximum
- Vehicle detection inputs up to 6 inductive
- Pelican demand up to 2 inputs
- Fault log capacity to 2 years
- Data log capacity to 1 years
- RF wireless interface (for wireless countdown timer)
- Programming by XIMP (Windows/Android/IOS)
- Voltage monitoring per signal output
- Signal lamp fuse blown detection per signal output
- Green-on-Green conflict monitoring
- Green-Yellow conflict monitoring
- Green –Red conflict monitoring
- Red-Yellow conflict monitoring
- Safety action backup plan to flashing amber and blanking traffic signal lamps
- Incorporated lightning strike and surge protection

Electro-mechanical Specifications

- Front accessible epoxy coated GI housing
- Compliant to IEC 255-21-1, to IEC 255-21-2 mechanical standard
- Compliant to IEC 60068-2-2, IEC 60068-2-3, IEC 60068-2-30 environmental standard
- Compliant to BS EN 50293 : 2012 electromagnetic standard
- Operating voltage 220/110 Vac
- Operating Voltage Frequency 50/60 Hz
- Controller Power consumption 30W
- Operating Temperature compliant to industrial grade standards

IS TECHNOLOGY

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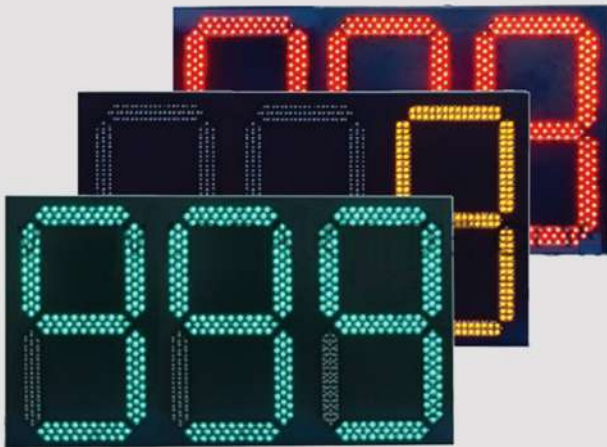*"You Deserve Intelligent Solution, We Deliver"*

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XIM Wireless Traffic Signal Controller

Wireless Traffic Light Control System is built with state-of-art modern wireless technologies to eliminate obstacles faced in existing conventional wired traffic light control systems. XIM Wireless Traffic Light Controller is completely wireless communicating over radio data being transmitted between master controller and signal group controllers. It is completely solar-powered and environment friendly solution incorporated with all world modern traffic light systems.

Digital Countdown Timers

We have various digital countdown timers tailored to cater the need for different traffic light systems of all kind. We have both countdown timers slave mode enabled countdown timers to use with vehicle actuated mode of operations as well as intelligent independent countdown timers can be used with fixed times and multiplane mode of operations. Communication options supported are RS485, RF and LAN and Wi-Fi.

IS TECHNOLOGY

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