

Smart Community Solutions Driver Alert Sensing



Enhancing Street Safety by Alerting Drivers to Special Traffic Situations

Landis+Gyr's Smart Community Solutions Driver Alert Sensing enables our customers to provide a visual signal to alert traffic to the proximity of special traffic situations requiring extra attention. Field Illumination Communicator Sensors (FICs) positioned atop street lights can be triggered to flash to alert drivers that:

An emergency vehicle is approaching. A flashing red light warns vehicles approaching intersections or distracted drivers that an emergency vehicle is approaching. This enhances the likelihood that the driver will pull over appropriately, allowing the emergency vehicle to pass safely and without delay.

School children are present in the area. The FIC is set to flash yellow to coincide with the times when children are present around schools, enhancing driver caution when passing school zones.

You are going the wrong way. Radar sensing detects vehicles traveling the wrong way on one-way streets and on/off ramps, and the FIC flashes red to alert the driver, who can then correct the error, reducing the likelihood of a collision.

ENHANCED SAFETY FEATURES

- Alerted drivers respond quickly, reducing traffic delays and potential accidents
- Safety is enhanced for emergency vehicles, children in school zones, and traffic on one-way streets and access ramps
- Valuable time may be gained in getting responders to the scene of an emergency

IMPROVED OPERATIONAL & ENERGY EFFICIENCIES

- Triggered to flash from RF transponders placed inside emergency vehicles, in schools, or on street lights; radio communicates to sensors on surrounding streetlights
- Children-in-school-zone alerts can be scheduled to flash during specific times of the day when children are typically present in the area of the school

COMPONENTS

- Landis+Gyr street light controller with integrated Network Node
- Command Center 7.1 MR3 or later
- Smart Community Center Software



ENHANCED SAFETY
FEATURES



IMPROVED
OPERATIONAL &
ENERGY EFFICIENCIES



COMPONENTS

Street Light Management



ENHANCED
SAFETY
FEATURES



IMPROVED
OPERATIONAL
& ENERGY
EFFICIENCIES



COMPONENTS

PRODUCT SPECIFICATIONS

FCC Class B Device

CONTROLLER SPECS	
Dimensions of Controller	Diameter 3.5" (88mm), Height 3.6" (92mm)
Voltage	120-277V (50-60 Hz)
Material	Lexan™ SLX Polycarbonate
Ingress Protection	IP67, IP66
Temperature Rating	Operational -40°C to 60°C Storage -40°C to 85°C
Compatibility (General)	LED, HPS, and induction to a max load of 6A
Compatibility (Luminaire with ANSI C136.41 standard receptacle)	All Features supported by LED luminaires with 5 and 7 pin All features except dimming is supported on 3 pin HPS luminaires
Dimming Method	Complies with 0-10V DC (IEC60929) and DALI (IEC62386)
Dimming Ramping Process	Dimming in gradual steps every 6 seconds (e.g. 100% to 20% = 102 seconds)
Dimming Schedule	Daily or weekly recurring schedule with ability to schedule a special event, in 1 minute increments with 1% resolutions
On / Off Trigger	Photo sensor for local light detection (selectable) with GPS based astronomical dawn/dusk back up
Dawn / Dusk Levels	On: 2.5 foot candles (fc) Off: 3.9 foot candles (fc) Configurable over the air

RADIO SPECS	
Frequency Range	902 to 928 MHz
Supported Data Rates	RF Mesh (N500): 9.6, 19.2, 38.4, 115.2 kbps RF Mesh IP (N550): 50, 150, 200 kbps
Output Power	High Min: 25, Typical: 26, Max: 27 dBm
Receiver Sensitivity	9.6 kbps Min: -114, Typical: -112, Max: -110 dBm 19.2 kbps Min: -112, Typical: -110, Max: -108 dBm 38.4 kbps Min: -110, Typical: -108, Max: -106 dBm 115.2 kbps Min: -102, Typical: -100, Max: -98 dBm 50 kbps Min: -107, Typical: -105, Max: -103 dBm 150 kbps Min: -99, Typical: -97, Max: -95 dBm 200 kbps Min: -98, Typical: -96, Max: -94 dBm

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GET IN TOUCH

For more information and nationwide warranty terms, visit us at LandisGyr.com or call at 678-258-1500.



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Since 1896, Landis+Gyr has been a global leader of energy management solutions. We've provided more than 3,500 utility companies all over the world with the broadest portfolio of products and services in the industry. With a worldwide team of 1,300+ engineers and research professionals, as well as an ISO certification for quality and environmental processes, we are committed to improving energy efficiency, streamlining operations, and improving customer service for utility providers.

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