

T&K Lighting Management System



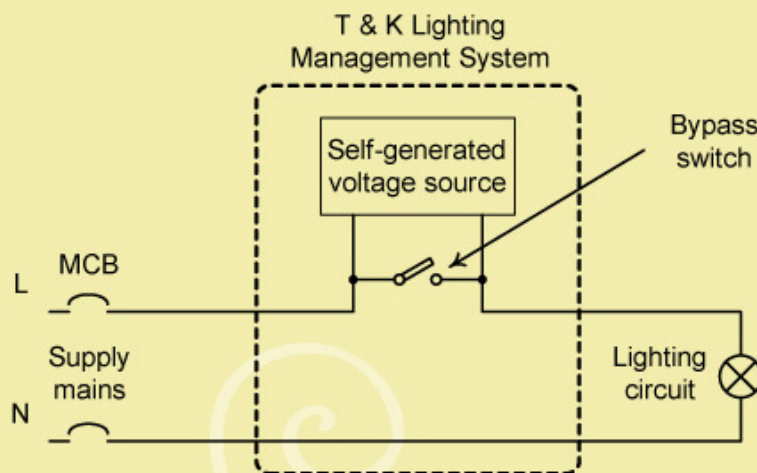
LMS-32

LMS-10/LMS-20

Specifications

	LMS-10	LMS-20	LMS-32
Physical Dimension (mm)	123 (W) × 304 (H) × 219 (D)	123 (W) × 304 (H) × 219 (D)	180(W) x 304(H) x 219(D)
Voltage Rating	200V ~ 240V, 50Hz		
Current Rating	10A	20A	32A
Peak Current	22A	44A	64A
Operating Temperature	- 20 °C ~ + 55 °C		
Storage Temperature	- 40 °C ~ + 75 °C		
Relative Humidity	0 to 95% non-condensing		
Enclosure Protection	not less than IP20		
Power Dissipation at Full Load	50Wmax	100Wmax	125Wmax
Designed Lifetime	>5 years		

Operating Principle



1. Self-generated voltage source is induced between the supply mains and lighting circuit
2. The self-generated voltage source increases
3. The output voltage for Lighting circuit is reduced
4. Not process active power, but consume reactive power only

Advantages

- Patented energy-saving technology
- Output voltage harmonic distortion less than 2%
- High energy conversion efficiency (98.5%)



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CityU Enterprises Ltd

A SUBSIDIARY COMPANY OF CITY UNIVERSITY OF HONG KONG

Saving Energy Today For Better Tomorrow!

General Features

- Mode: Manual, Auto, Profile
- Self-diagnostics and event log
- Display data panel includes:
 - Input and output voltage
 - Input and output current
 - Power consumption
 - Load power factor
 - System efficiency
- RS 232 communication port
- RS 485 communication port
- Safety approvals & full RoHS compliance
- Dry contact

- Protection Tracking
 - Input overvoltage and undervoltage
 - Output overvoltage and undervoltage
 - Output short circuit protection
 - Over temperature
- Fail-safe bypass mechanism

Optional

- GPRS communication module

Region	Compliance	Category	Standard
Australia	SAA	Safety	AS/NZS3100
Europe	CE	Safety	EN50178-1

Merits

- Cost and Energy Saving
 - General less than 2 years payback
 - Energy saving 20% to 40%
 - Stabilized voltage to preserve lamp lifetime
 - Reduction of lamp replacement
- User Friendly
 - One touch of button
 - Single interface
- High Compatibility
 - Compatible with most types of lamps
- Voltage Management
 - Regulate the voltage gradually volt by volt
- Environmentally Friendly
 - Less electronic waste
 - Reduce:
 - CO² emission, light pollution, light wastage

Applications



Public Corridor



Common Areas of Housing Estates



Airport



MTR & Railway



Billboard



Indoor Stadium



Hotel & Casino



School



Tunnel



Highway



Government Building



Shopping Mall



Bus Stop



Multi-Level Car Park



Property Management

Patents Granted

1. Apparatus and Method for Providing Green Energy Saving and Dimming Control of Lamps and Electrical Lighting Systems GB: 2405540.B, HK1076977 [Also filed in USA, EU, Japan, China and Korea etc]
2. Reactive Power Controller for Green Energy Saving and Dimming AC Lighting Systems, GB2418786, HK1089614 [PCT application through China]