

CITIDIM SYSTEM

REMOTE PROGRAMMABLE DIMMING

CITIDIM is a telemanagement system that programs up to 10 dimming steps in electronic ballasts for HID lamps (HPS, CDM-CDH) and drivers for LED lamps.
 This solution is low-price, compact and secure for REMOTE PROGRAMMATION of lightpoints.

Citilux: telemanagement terminal

Up to 30 programming curves are stored.

4 contacts available :

- Each group of lightpoints is **programmed with its customised curve.**
- An astro clock is associated to each contact (full flexibility in scheduling and ON-OFF switches)

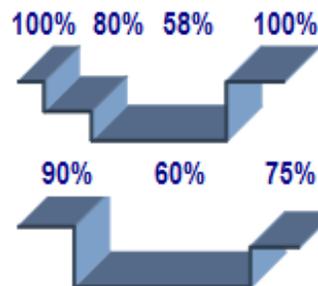
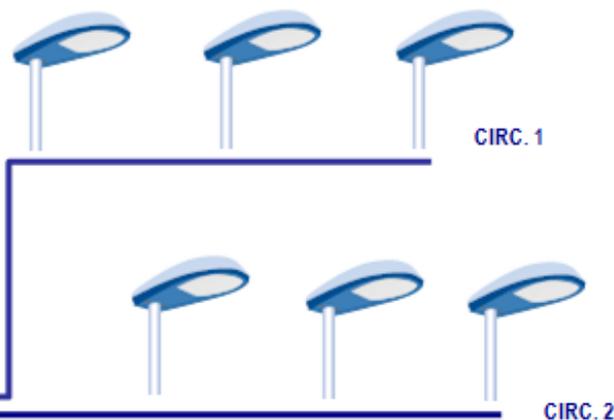
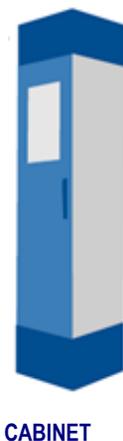
Remote programming from Software Citigis

Real-time remote programming is sent from Citigis. All types of network supported (GSM/GPRS, TCP-IP)

Electronic ballasts and LED drivers



Smart electronic ballasts and LED drivers that store up to 10 dimming steps. Curves programmed by telemanagement. No distance limitation. No control wires required.



Requirements

- Previous to the installation of any electronic ballast or LED driver into a luminaire, thermal tests must be submitted and passed.
- We have already completed thermal tests on many models of main manufacturers.
- Check the list of homologated luminaires.

Notes

- CITIDIM is a single-direction control system. Lightpoints do not send any information.

Electronic ballasts for HID lamps

	HPS	CDM-CDH
Power	50W, 70W, 100W, 150W, 250W	
Dimming	35% - 100% continuous	50% - 100% continuous

Features

All kinds of HID lamps are driven by these ballasts.
Continuous dimming.
Very low loss

Input Voltage

220 – 240V \pm 10% / 50 – 60 Hz
Constant consumption
PF > 0,98
Stable electric supply to the lamp
Fuse

Protections

Surge protection:
L-PE/N-PE: 4kV
L-N: 2kV
Output Short Circuit
Output Over Voltage (load voltage out of range)
Line Voltage High
Line Voltage Low
Internal Over Temperature

Drivers for LED lamps

Input

Nominal Input Voltage: 220V-240V / 50 – 60 Hz
Input Voltage Range: 198V-264V AC
PF \geq 0.98 (at full load)

Output

	350mA-500mA-700mA	700mA-1000mA-1400mA
Power	350 mA: 30W – 90W 500 mA: 30W – 90W 700 mA: 30W – 90W	700 mA: 30W – 82W 1000 mA: 33W – 91W 1400 mA: 30,8W – 89,5W
Output Voltage	350 mA: 85V – 257V 500 mA: 60V – 180V 700 mA: 43V – 128V	700 mA: 43V – 117V 1000 mA: 33V – 91V 1400 mA: 22V – 64V
Current	350 mA \pm 5% 500 mA \pm 5% 700 mA \pm 5%	700 mA \pm 5% 1000 mA \pm 5% 1400 mA \pm 5%
Current Selection	Configurable by on board dip switches	
Dimming	10% - 100%	
Efficiency	driver-efficiency >90% (Full intensity)	
Output Current Ripple	<10%	
Ta	350mA: -25°C ... +55°C 500mA: -25°C ... +50°C 700mA: -25°C ... +45°C	700mA: -25°C ... +50°C 1000mA: -25°C ... +45°C 1400mA: -25°C ... +40°C
Tc max	70°C	