

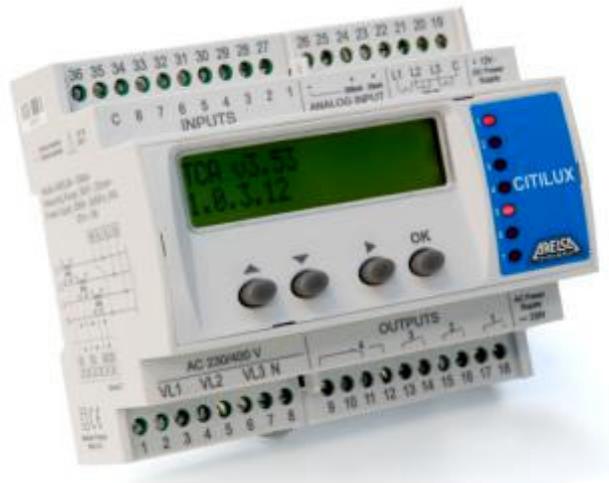
# CITIGIS SYSTEM

## LEVEL 2 - CABINET

### Terminal CITILUX

Telemanagement terminal that integrates command, alarms, network analyser, datalogger and peripheral in only one equipment.

It is the brains of the streetlighting installation. Compact, robust and small. It incorporates a battery for its internal clock, capable to keeps information and registers stored up to 16 year. Easy to install and to maintain thanks to its DIN-rail mount.



### Hardware

#### I/O

- 8 Digital inputs – voltage-free
- 1 Analog input 4-20 mA
- 1 Analog input 4-200 mA
- 4 Contacts voltage-free 5A 250V

#### Communications

- 1 Serial port RS-232 / RS-485 / RS-422 optoisolated
- 1 Serial port RS-485 optoisolated
- 1 Ethernet port RJ45.

#### Network analyser

- 3 Voltage inputs 32 VAC - 500 VAC
- 3 Intensity inputs – external transformer X / 0,2A.
- Voltage measures class 0.5
- Other measures class 1

#### General

- Power supply 1 : 230 VAC +-15%, 45 - 65 Hz
- Power supply 2 : 12 VDC
- RAM memory, Ni-Cd battery
- High-accuracy quartz clock
- Class II box with DIN43880 rail
- Dimensions: 105 x 95 x 70 mm
- CE Mark

### MAIN FEATURES

#### Astro clock / programmer

Astro clock and scheduler.  
It calculates sunset and sunrise with 1 min accuracy, according to longitude and latitude coordinates.  
Automatic winter-summertime adjustment.  
Each contact may have as many actuations as needed.  
Offsets, especial programmations, etc. are supported.

#### Network analyser

Main ffnctions af network analysis and quality network diagnostic are supported.  
Electric parameters voltage, intensity, power –active and reactive, power factor, THD  
Energy active and reactive meters.

#### Datalogger

Citilux stores more that 10000 registers, eing able to set register basetime from 1minute to 24 hours.  
More than 2500 events and alarms are stored.

#### Centralisation of saving systems, measurement –submetering- and protection

Citilux centralises the information of different equipment in the cabinet, using its RS485 and Ethernet ports.  
Network analysers  
Voltage stabiliser-dimmers  
Earth leakage protection  
Thermomagnetic protection  
Water and electricity impulse meters  
Estabilizador de flujo luminoso  
Point-to-point telemanagement systems (DatLux, Ilon, Citidim).

#### Telecommand

Citilux contacts can be forced remotely for testing, maintenance, etc.