TELEASTRO

A NEW CONCEPT IN PUBLIC LIGHTING MANAGEMENT

Public lighting remote management systems are an important tool to accomplish a sustainable management in every town. But till now these systems show diverse inconvenients as for instance implementation and above all running of same, which has put some difficulties in reaching the expected results.

After more than 10 years experience in this sector and having analysed the real needs of the towns, we have then designed **TELEASTRO**.

This control and management system for outdoor lighting uses the latest technologies such as Internet, GPRS communication and SMS messages to provide an easy solution to implement and above all with a flexible and effective running.

TELEASTRO is a system having so easy starting like an astronomical clock. Furthermore, to run same it is only required the use of a cellular phone and/or Internet connection.

Some advantages of this new concept are the no obligation of setting up both a control centre and a person who exclusively would manage it; the possibility of system connection from any place and time, and no need to establish and maintain a repeaters network.

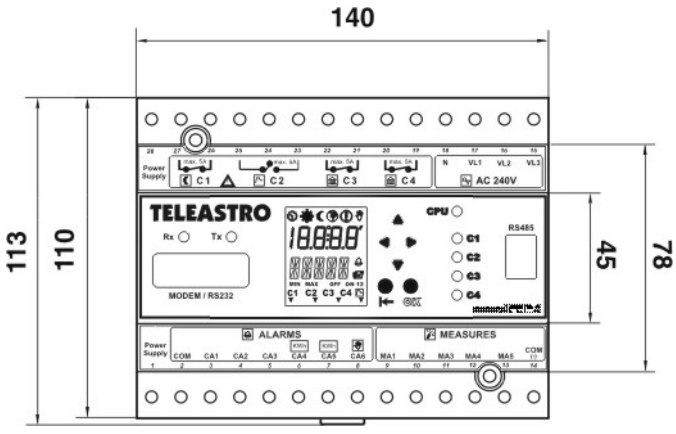
TECHNICAL FEATURES

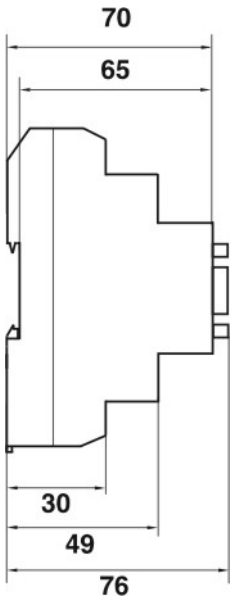
- 1 Astronomical Circuit (NC* relay).
- 1 Energy Saving Circuit (switched relay).
- 2 Special Circuits (NC* relay).
- 6 Digital Inputs for control of alarms.
- 1 Digital Input for the control of the selector of Manual.
- 3 Tension Measurement Inputs 0-240VAC of real true value.
- 4 Analogue Inputs of 0-2VDC (for relays or sensors), 3 of which are configurable 0-1,5VCA (for current transformers).
- Customised LCD Display and 6 keys keyboard.
- Leds indicating connection of each one of the circuits.
- 1 RS232 Port for GPRS modem with protocol TATP(TCP) and 1 RS485 Port programmable for peripherals.

** NC is normally closed contact.*

OPERATING FEATURES

- Astronomic calculation through top precision algorithmic.
- Four output circuits with astronomic and/or time programmation.
- Programmation of operations calendar with multiple options.
- Automatic time setting through Internet and atomic clock.
- Automatic calculation of Holy Week as well as holidays concerned.
- Operations control, independently from any communication problem with the server.
- Basic configuration through the keyboard and advanced from Internet.
- Remote control and remote programmation of the operations through SMS or GPRS.
- Alarms sending and checking of switchboard state through SMS messages.
- Control and supervision of the operation of any flux regulator or energy saving system.
- Control of protections and alarms of the lighting switchboard.
- Management of self-reclosing relays and telereset of same.
- Supervision of installation isolation.
- Alarms and measurement of tension, current and active power.
- Energetic permanent audits and supervision of the counters of energy.
- Display and keyboard to locally verify the installation.
- Supervision of the state of all the installation through access to Internet.
- Multiple system users without needing internal networks.
- Guaranteed protection and confidentiality of data.





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