



Andros CMS

Cod.61920-S



Andros CMS is the command and the control module at cabinet level that manages directly or indirectly all the modules at switchboard level and all the communications with the remote supervisor IOS.

Andros CMS is able to collect process and memorize the information and the signals from the cabinet and the lamp sent by different devices and inputs.

Moreover, it executes commands given by a non-volatile memory (to be modified by the remote supervisor) and it communicates with a local terminal by connection RS232 or with a remote supervisor via modem.

Functions

- It checks the power supply and the detection status in case of: network absence, low and/or insufficient battery
- Events' check at cabinet level with detection of: inputs starting up/disconnection, tension presence/absence(over maximum 48 power supply mono-phase lines), connected modules anomaly and faulty lamps
- Sending of starting up, switching off and flux reduction commands to every lighting point
- Output command relays or open collector outputs
- Lamp events check with detection of: short-circuit lamp, interrupted lamp, current absence, faulty capacitor, flashing lamp, interrupted ballast
- Emergency calls starting up for the main events
- Command cycles program ON/OFF/Dimming based upon astronomic clock and 32 weekly timers
- Management of 1.022 lamps command modules (SYRA) over 15 groups
- Management of extension module in/output ANDROS-CMS ESP

Modules connected with Andros CMS

- An ANDROS CMS module can manage the following devices:
- N.1 ANDROS TR power supply module, *always necessary*;
- N.1 ANDROS CMS ESP extension module Inputs/Outputs
- N. 1 ANDROS RDE collecting data module over RS485 line
- N.1 communication module over RTG network (PAROS-RTG) or GSM network (PAROS GSM) or Ethernet network (PAROS NET)
- N. 1 – 16 Power-line communication and voltage control modules
 - ANDROS PLS model for the management of SYRA devices serie 1.022 codes
 - ANDROS PL model for the management of SYRA devices traditional serie
- N° 3 philter devices for each ANDROS PL, mod. PHIL/15D-30D-60D
- N. 1 CAP 3: input capacitive philter

ANDROS CMS controls up to max 1.024 control and command modules at lamp level SYRA type.

Technical features

Working voltage
15 V~

Absorbed current during stand-by phase
70 mA @ 10,4V~

Surge protection by varistor and PTC
400 V

Digital inputs
N. 16 opto-insulated

Open collector outputs
N°6 12Vcc 20mA

Outputs relays NA-NC
N°1 230V~ 3A ac1c

Connection output for ANDROS PLS
12Vac +/-10% 3VA

Connection output for PAROS
12Vdc (250mA Max)

Electrical Insulation Class
II (double insulation)

Protection degree
IP 20

Dimensions
160x90x75mm - 9 DIN modules

Weight
650 gr