

## AES-080-AX I Heliport Controller V3



### COMPLIANCE:

- ICAO Annex 14, Vol II - Heliports
- EMC EMISSION:
  - EN55032 (CISPR32) CLASS B
  - EN61000-3-2 CLASS A
  - EN61000-3-3
  - EAC TP TC 020
- EMC IMMUNITY
  - EN61000-4-2,3,4,5,6,8,11
  - EN55024 light industry level, criteria A,
  - EAC TP TC 020



BOARDING TIME

GAES 454843121451100

#### BOARDING PASS

NAME OF PASSANGER

FROM:

TO:

DATE                      FLIGHT  
                                 GAES2020

GATE                      SEAT  
23                          21B

GOMINTEC
BOARDING PASS
GOMINTEC



### Uses

Heliport lights power supply. Designed as a compact and simple device used to control and provide the power requirements of an entire heliport lighting system.

### Features

- The controller has 8 different circuits ON/OFF factory configurable:
  - 48V DC - max 500W, dimmable
  - 1,4A constant current - max 500W, dimmable
  - 230V AC - max 2000W - not dimmable
- The system can be controlled in four different variants, as follow:
  - front-panel buttons
  - Remote console through RS485 protocol communication
  - GSM communication
  - ARCAL remote control,
- Comenzi disponibile
  - Brightens level control (dimming) - 10%, 30% and 100%
  - Stand by
  - Total OFF
  - Circuits ON/OFF
- LCD Display showing:
  - Voltage
  - Total power - Watt
  - Brightness level
  - System Status
  - Individual circuits ON or OFF
  - Errors occurred
  - GSM network
  - Available control rights



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### Features

- Monitoring errors:
  - Lights error - if after two consecutive power readings the total power is different with more than 5W then there is a possible error of the lights. A message is displayed on the LCD and BEEP.
  - Circuit error, if after two consecutive power readings the total power is different with more than 20W then there is a possible error of the circuit. A message is displayed on the LCD and BEEP.
  - 3 independent contact readings for devices like: APAPI, SAGA, HAPI - dry contact monitoring errors
- GSM control and monitoring:
  - Using an Android smartphone application it is possible to control all the functions of the system.
  - A maintenance mobile number can be set, used by system to send a message if any error that occurs.
  - The system status can be required through GSM application.

### Technical Specifications

HOUSING MATERIAL	Powder-coated metal (gray)
CABLE GLAND	Nickel-plated brass

*When the lighting system includes a heliport beacon, the above intensities will automatically be changed for the beacon. So when the system will run at 10% power, the beacon will run at 3%, at 30% power, the beacon will run at 10% and 100% power is for both the beacon and the other lights (ref. ICAO 5.3.2.5). Light fixtures with 110-230V 50/60Hz power supply are turned OFF when the controller is in standby mode, otherwise they are ON, not being affected by the brightness levels.*

POWER SUPPLY	110-240V, 50/60Hz
OUTPUT POWER	<ul style="list-style-type: none"> <li>· 230V AC</li> <li>· 48V DC</li> <li>· 1.4A constant current</li> </ul>
OUTPUT VOLTAGE	<ul style="list-style-type: none"> <li>· 2000W (230V AC output voltage)</li> <li>· 500W (48V DC output voltage)</li> <li>· 500W (1,4 A output current)</li> </ul>
ELECTRICAL PROTECTION	Class I

Protections: Short circuit / Over load / Over voltage / EMI filter / SPD protection.

**CAUTION:** Ground must be connected to avoid electrical injury and to ensure a proper functionality for surge and EMI protection!

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### Order Code



### Environment

- Temperature range: -20°C to +55°C
- IP 65

### Front panel descriptions

- The controller must be installed in vertical position.
- Gripping is made through four Ø8mm holes on any flat surface.

