Version 1.1

Radio console controller

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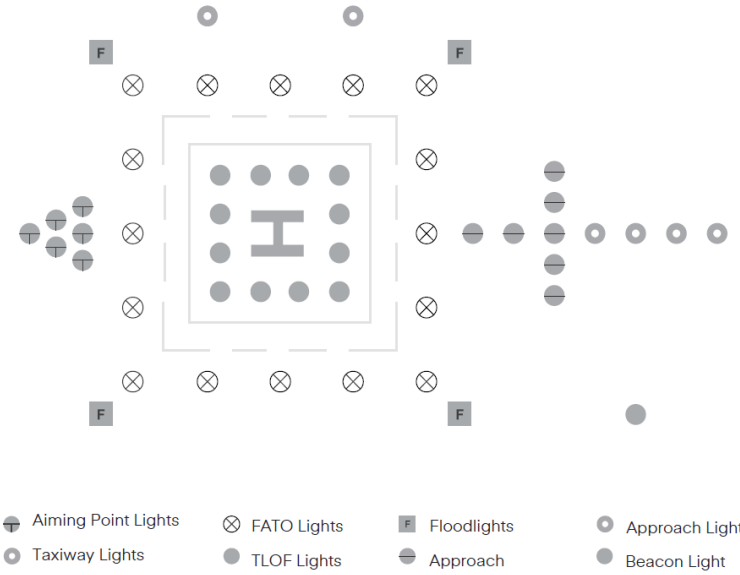
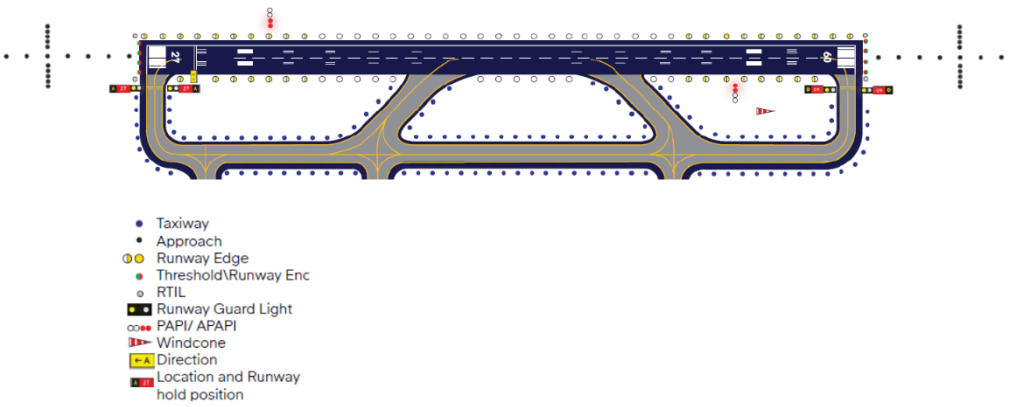
Compliance to standards	**ICAO:** Annex 14, Volume II - Heliports **EMC emission:** EN55032 (CISPR32) Class B EN61000-3-2 Class A EN61000-3-3 EAC TP TC 020 **EMC immunity:** EN61000-4-2,3,4,5,6,8,11 EN55024, light industry level, criteria A EAC TP TC 020
Application	Radio control for heliport and airport Polaris lighting systems.  

Product Code

AL - 150 – AX

Series Indicator (Airfield Lighting)	**AL**
Product Indicator	**150**
Description of product type (accessory)	**AX**

Features

Radio Console Controller is a radio remote control device compatible with Polaris lighting systems.

The communication is realized through: LoRa radio communication.

The controller can be preconfigured at the factory to operate on one of the following frequencies: 868 Mhz for Europe, 915 Mhz for the United States, or optionally 433 Mhz.

Antenna:	Can be	- Built-in - External
	Orientation:	- Directional - Omnidirectional
	Range	- 2 km up to 10 km

The controller has different circuits.

Example: THR/END
PAPI →

Settings: Brightens level control (dimming) - 10%, 30% and 100%
Circuits ON/OFF

Also, the controller can operate the lamps in two modes:
- visible mode (lights)
- invisible mode (infrared).

The console can be updated via the micro-USB port.

Front Panel Descriptions

Front panel example:

Off / brightness level section buttons for "THR/END" CIRCUIT

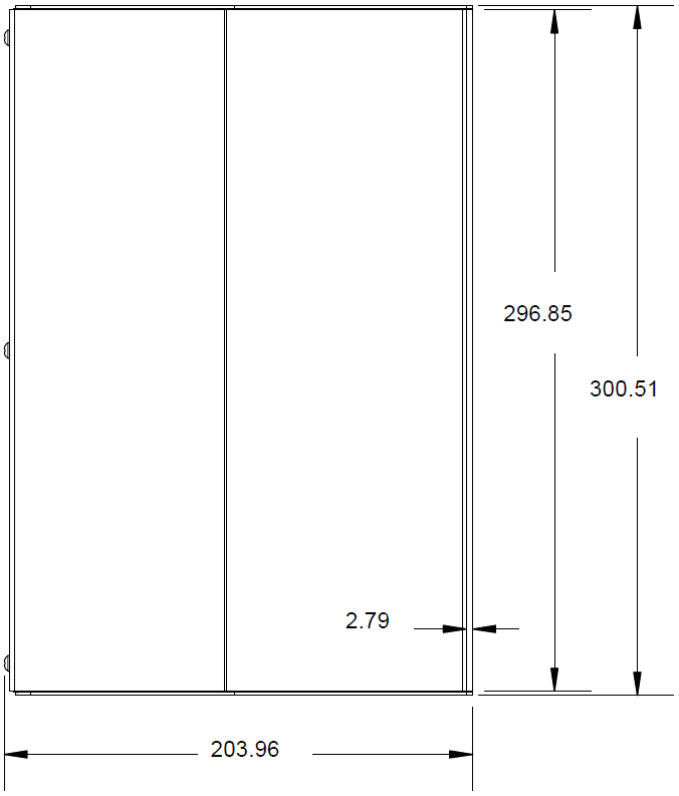
Off / brightness level section Buttons for "PAPI" circuit

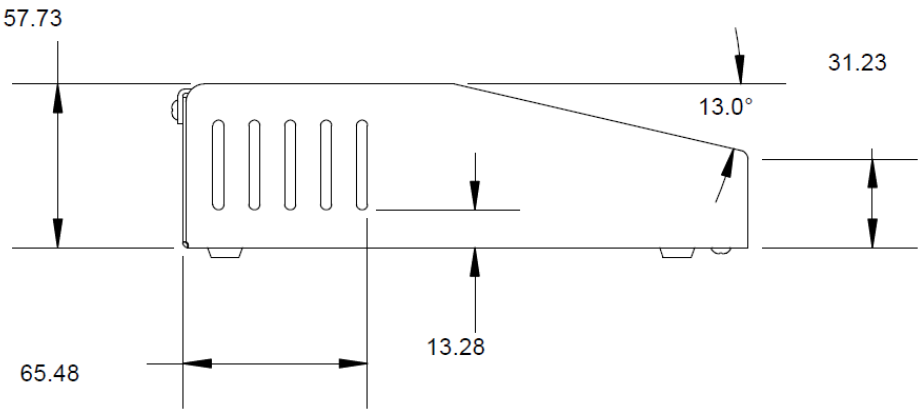
Electrical Characteristics

Power supply: 110-240V, 50/60Hz

Mechanical Characteristics

Housing - powder-coated metal (gray)
Cable gland - nickel plated brass





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