Pilot Activated Lighting Control

AV-PALC

Features

- 8.33 kHz or 25 kHz channel spacing variants available
- Avlite 2.4 GHz RF integration allows for wireless control of Avlite's solar airfield lighting solutions
- · Easy to install
- Standard 100Ah battery backup
- Available in 12VDC or universal mains variants
- Configurable auto time-out
- Optional solar power supply

Certification/Compliance

- Civil Aviation Safety Authority of Australia (CASA) Manual of Standards Part 139 Section 9.3 & Chapter 14
- Designed in compliance with



The Avlite Pilot Activated Lighting Control (PALC) has been integrated with the Avlite 2.4 GHz RF wireless network to allow approaching aircraft to activate Avlite's solar lighting on airfields and helipads. The Avlite PALC is ideal for solar lighting applications. The energy stored in the light is used only as needed increasing the overall autonomy of each light.

This lighting control system is specifically designed for use at airfields and helipads where Avlite's solar lighting is installed and on demand lighting is desired. The PALC allows the solar lighting to be off and commanded on only when needed by approaching aircraft. The system is set to a user specified field adjustable time-out period in order to extinguish the lights automatically after landing. Standard 100Ah battery provides backup during power outages.

How does the AV-PALC work?

Avlite Systems' PALC allows the pilot to control the Avlite lighting system via VHF Radio Air Band. The pilot sets the frequency of the radio to that used by the airfield and operates the system by clicking the Microphone Press To Talk (PTT) button. The Avlite 2.4GHz RF radio controller module will relay the control message from the radio receiver across the RF mesh network to the solar lighting located on the airfield or helipad.

Once the system is activated, the countdown begins after which the lights will automatically turn off, with the length of the countdown being user configurable.



The AV-PALC may be rack mounted within Avlite's optional secure housing or fitted to existing systems



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Pilot Activated Lighting Control

SPECIFICATIONS** Seneral Characteristics

Frequency Intensity Selection

Time out Adjustment **Electrical Characteristics**

Voltage Nominal

Power Consumption (W) Operating Temperature

Optional Solar Characteristics

Solar Module Type Output (watts) Solar Module Efficiancy (%)

Charging Regulation **Optional Power Supply**

Battery Type

Battery Capacity (Ah) Nominal Voltage (VDC)

Physical Characteristics

Height (mm/inches) Width (mm/inches) Depth (mm/inches) Mass (kg/lbs) **Product Life Expectancy**

Certifications

CASA Quality Assurance

Intellectual Property Trademarks

Warranty *

Options Available

AV-PALC

Field tuneable 118 – 136MHz Choice of 3 step - defined on purchase 1-60 minutes

12VDC or 100-250VAC

-20 to 55°C

Multicrystaline

120 14

Microprocessor controlled

SLA (Sealed Lead Acid)

100

12

594 / 24 450 / 18

530 / 21 40 / 88

Up to 10 years

Complies to CASA MOS Part 139, Section 139 & Chapter 14

ISO9001:2008

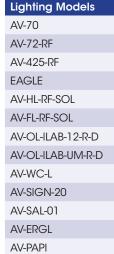
AVLITE® is a registered trademark of Avlite Systems

1 year warranty

• Solar power supply (12VDC only)

HOW TO ORDER AV-PALC AV-PALC-[Spacing]-[Type] Product No.: -Spacing: -8 = 8.33 kHz25 = 25 kHzUM = 100-250 VAC Note: Use -12 when using a Solar Power Supply

Compliant Lighting Models





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