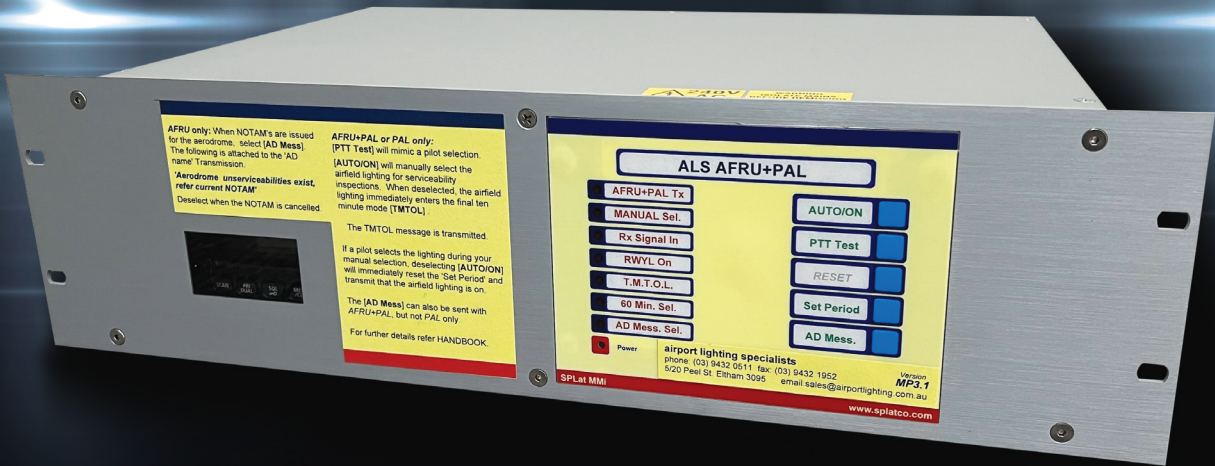




AIRPORT LIGHTING SPECIALISTS

AFRU/ PAALC

Pilot Activated Airport Lighting Controller



Features



- PAALC only for airfield lighting control with voice confirmation
- AFRU only voice response and beep back
- AFRU + PAL for both functions
- ACMA compliant transceiver for ground to air communication
- 19" rack or shelf mounting
- Backup battery for power outages
- Tuned for 15NM range with supplied antenna and 10m cable
- Made in Australia for harsh conditions.
- Local support and backup
- Comprehensive installation and operation manual
- Control tower override input
- Fail safe operation, lights turn ON if PAALC fails.
- Aerodrome unserviceability message option
- 30 or 60 minute lighting periods are selectable by operator
- Lighting inspection / test mode

Dimensions

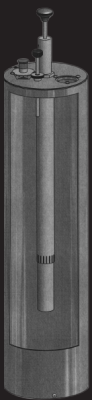
- Width 432mm (fits standard 19" rack)
- Height 133mm
- Depth 380mm
- Weight 5kg

Compliances

Civil Aviation Safety Authority (Australia)

CASA Manual of Standards Part 139,
Ch 9 Section 9.19,9.20 Pilot Activated Lighting Systems
Ch 22 Section 22.04 Frequency Confirmation Systems
ACMA compliant transceiver ICOM A120E

Cavity Filter



It is a licence condition that a cavity filter be installed. These are tuned for the specific operation frequency allocated in the licencing process. Cavity filters can be supplied but are not included in the PAALC cost.

Operation

User selectable functions:

- As a PAALC, 3 microphone clicks on the designated frequency will activate the airfield lighting for a timed period and confirm operation with a recorded message.
- As an AFRU, a single, 2 second microphone click will activate an airfield identification message.
- As an AFRU + PAL, both functions are available.

Operation Modes

- The correct series of microphone clicks will remotely activate the unit for lighting control or aerodrome identification.
- Manual activation of lighting from the front panel.
- Manual activation of lighting by a key switch.
- Override by ATS tower control.

ALS AFRU + PAALC

•	AFRU + PAL Tx
•	Manual Sel
•	Rx Signal In
•	RWYL On
•	TMTOL
•	60 Mins Sel
•	AD Mess Sel

AUTO/ON	
PTT Test	
SET PERIOD	
AD MESSAGE	

• Power



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