

APPROACH LIGHTING

ODALS

Omnidirectional Approach Lighting System

VOLTAGE/CURRENT POWERED FTS-417/437



Compliance with Standards

FAA: L-859F AC 150/5345-51 (Current Edition)

T/C: Transport Canada K312

CSA: CSA Approved

Application

The FTS-417/437 Omni-directional Approach Lighting System (ODALS) is used as a simple approach lighting system for non-precision approach runways. ODALS are used instead of (or to replace) Transport Canada type Low-Intensity approach lighting systems. The system consists of seven units, five lead in lights spaced at 90 m intervals, inline with the runway centerline, to 450 m from the threshold and two units placed perpendicular to the runway C/L on either side of the runway threshold, 12 m from the runway edge.

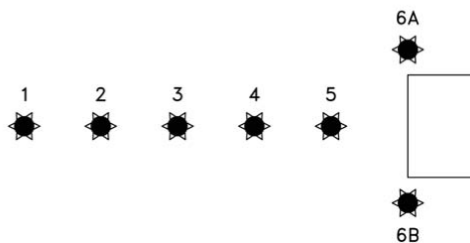
The FTS-417 is a voltage-powered system requiring a 120 or 240 VAC power supply and separate control wiring for intensity control.

The FTS-437 is a current-powered system obtaining power and brightness control direct from an airfield series circuit through a 300 W 6.6 A isolating transformer (10 kW CCR recommended per system).

The flash head and power converter can be co-mounted to form a single unit or separate mounted for use on approach lighting towers. Special engineering and design of the unit allows for ease of installation, operation and maintenance.

The FTS-417/437 is made in the USA and ETL certified by Flash Technology in Franklin, TN.

System Layout



Ordering Code

ODALS Voltage-Powered FTS-417

ODALS comes with 7 flash heads and 7 power converters, 14 breakable couplings

Specify which units are to be separate mounted
__ 1 __ 2 __ 3 __ 4 __ 5 __ 6A __ 6B (threshold)

Specify operating voltage
__ 120 VAC, 60 Hz __ 240 VAC, 60 Hz __ 230 VAC, 50 Hz

Specify total length of flash head cable
(separate mount units) (P/N 6340)
_____ feet (or) _____ meters

Specify site location:

Notes:

Consult ADB Safegate for recommended spare parts, controls and power supplies or special applications.

ODALS Current-Powered FTS-437

ODALS comes with 7 flash heads and 7 power converters, 14 breakable couplings

Specify which units are to be separate mounted
__ 1 __ 2 __ 3 __ 4 __ 5 __ 6A __ 6B (threshold)

Specify total length of flash head cable
(separate mount units) (P/N 6340)
_____ feet (or) _____ meters

Specify site location:

Notes:

Consult ADB Safegate for recommended spare parts, controls and power supplies or special applications.

Features

- Low Power Consumption (120 watts)
- Remote monitoring capable
- Single Long-life Flashtube
- Hinge flash head provides easy access for lamp changes
- NEMA 4X Power Converter enclosure

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- Lightning surge resistant
- Safety interlocks
- Two year warranty including flashtube

Electrical (Voltage Powered)

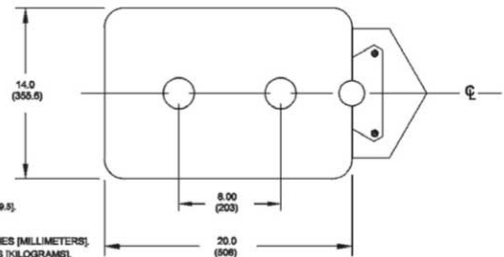
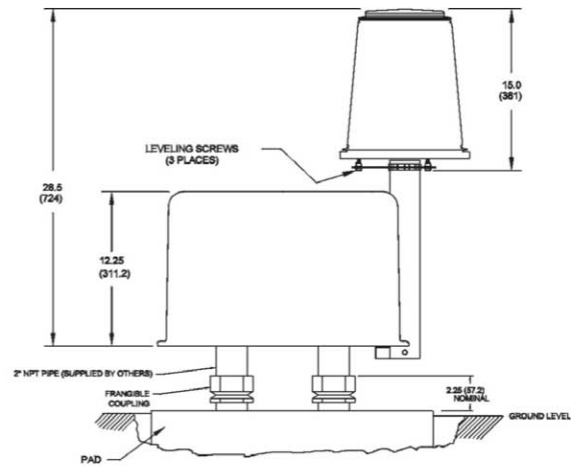
- 240 VAC +/- 10%, 60 Hz, 1PH
- Available 120 VAC, 60 Hz, 230 VAC, 50 Hz
- 120 watts (300 VA) power consumption - high (per unit)
- Internal surge protection

Electrical (Current Powered)

- Recommended 10 kW FAA L-828 Type CCR per system.
- No external brightness control wiring required.
- Internal surge protection

Photometric Performance

- 5,000 effective candelas - high
- 1,500 effective candelas - medium
- 300 effective candelas - low
- 60 flashes per minute
- 3600 horizontal coverage
- 80 vertical beam width



NOTES:

1.0 WEIGHT

- 1.1 POWER CONVERTER = 21 (9.5)
- 1.2 FLASHHEAD = 9 (4.1)

2.0 DIMENSIONS ARE IN INCHES [MILLIMETERS]; WEIGHTS ARE IN POUNDS [KILOGRAMS].