

Runway End Identifier Light System

REILS



COMPLIANCES

FAA-E-2159E
FA-19900

PRODUCT APPLICATION

The Runway End Identifier Light (REIL) System is a landing aid for pilots to identify the approach end of a runway. The REIL system includes a Control Cabinet (CC), two Identifier Units (Flashers), and an Aiming Device. The Identifier Lights are installed on Electrical Metallic Tubing (EMT) or Low-Impact Resistance Towers (LIR) at each side of the approach end of the runway. The lights are angled to have an effective visual range in clear weather of at least 3 miles during the day and 20 miles at night. This provides pilots with adequate time to plan and execute a safe approach and landing at night or in reduced visibility conditions.

FEATURES

- Three intensity levels
- Built-in thermostatic heater
- Local, remote and automatic operation
- Light weight and state-of-the-art technology provide for ease of installation
- GFI maintenance outlet provided for plug-in test equipment

SPECIFICATIONS

External Power Requirements: 120/240 VAC, single phase, 10A
Photometric Intensity:
High: 8,000 to 20,000 candelas
Medium: 800 to 2,000 candelas
Low: 150 to 450 candelas (min/max)
Flash Timing: 120 flashes/minute

ENVIRONMENTAL OPERATING CONDITIONS

Operating Temperature: -55 °C (-67 °F) to +70 °C (+158 °F)
Elevation: Sea Level to 10,000 feet (3,048 m)
Humidity: 0 to 100%

RELIABILITY CRITERIA

Control Cabinet: Minimum of 2,500 hours (MTBF)
Flash Tube: Minimum of 1,000 hours
Identifier Assembly: Minimum of 2,500 hours (MTBF)

MODES

Local Operation: Through keypad and display
Remote Operation: Ground-to-Ground Radio Link
Air-to-Ground Radio Link
Automatic Operation: Sensing current of the R/W edge lights through isolation transformer.

ORDERING INFORMATION

Description	Part Number
REIL System	G1-62-3000
System Components:	
• Control Cabinet Assembly (CCA)	G1-62-3001-001
• Identifier Unit Assembly (IUA)	G1-58-1000-002
• Aiming Device	G1-62-1200-001
• Technical Instruction Manual	Y3-01-0151 (TI.6850.103)



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Manufactured in the USA.

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Runway End Identifier Light System

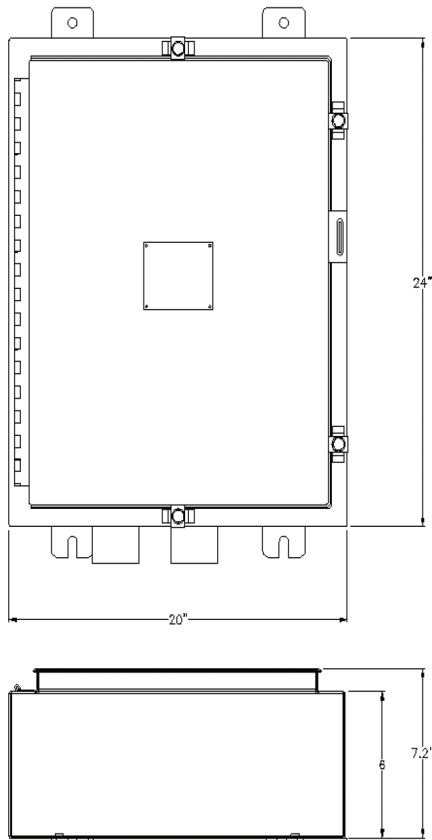
REILS

OPTIONAL EQUIPMENT AVAILABLE

- Air to Ground Receiver
- Remote Radio Control Interface Unit (Type FA-16100)
- Isolation Transformer:
 - Type L-830-4 (6.6/6.6A, 100W) for 6.6A MIRL or HIRL circuits
 - Type L-830-7 (20/6.6A, 200W) for 20A HIRL circuits
- Site Spares Kit (part number G1-62-3100)

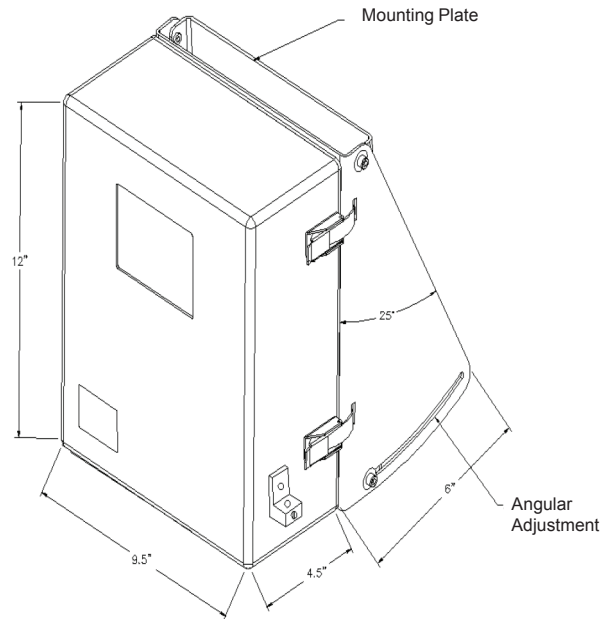
CONTROL CABINET

Dimensions: 24" x 20" x 6"
Weight: 29.2 lbs.
Volume: 1.7 cu ft



IDENTIFIER UNIT ASSEMBLIES (IUA)

Dimensions: 9.5" x 12" x 4.5"
Weight: 9.68 lbs.
Volume: 0.3 cu ft



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