

**Blade De-Ice**  
**Model A81-121**  
**NSN 1660-01-216-1936**



**Model A81-121**

**THIS UNIT IS USED ON THE FOLLOWING AIRCRAFT:**

- UH-60

**GENERAL CHARACTERISTICS AND SPECIFICATIONS \***

**CONTROLS/DISPLAYS**

- 1 Toggle Switch for Blade De-Ice
  - Rated 20A Resistive, 12A Inductive @ 28 VDC
  - Rated 15A Resistive, 15A Inductive @ 115 VAC
- 1 Indicator for Blade De-Ice
  - 28 VDC @ 40 mA with Press-To-Test and Rotate to Dim
  - NVG Compatible
- 1 Potentiometer Switch for Blade De-Ice
  - 20 mA

POWER REQUIREMENTS..... Panel Lighting (NVG Compatible)  
 115 VAC 400 Hz Lamps

**PHYSICAL CHARACTERISTICS**

Size..... 5.75" W x 2.625" H x 4.65" D  
 Weight..... 1.0 Lbs. Max.  
 Mounting..... Panel Mount via Quarter-Turn  
 Mil-F-25173 Fasteners  
 Connector..... Unit: MS3472W14-19P  
 Mate: MS3476W14-19S

**ENVIRONMENTAL**

Altitude (Operating)..... 30,000 FT.  
 (Non-Operating)..... 40,000 FT.  
 Temperature (Operating)..... -55°C to 55°C, 71°C for 30 min.  
 (Non-Operating)..... -57°C to 85°C  
 Vibration..... MIL-STD-810F, Method 514.5,  
 Procedure I, Cat 14 using Table  
 514.5C-IV and Figure 514.5C-10  
 Shock..... MIL-STD-810F, Method 516.4,  
 Procedure I, V, VI  
 Functional..... 20 G's 11 mS  
 Crash Safety..... 40 G's 11 mS

**DESCRIPTION AND USE**

The A81-121 is used on the UH-60 Blackhawk Helicopter. The unit has One (1) switch for Power On/Off/Test, and One (1) Rotary switch delineating Automatic and Manual De-Ice modes. The unit also has One (1) Test In Progress Indicator.

\*Specifications subject to change without notice