

DEDICATED  
CONTROLSREDUCED  
PILOT  
WORKLOAD

HIGH-SPEED

NVG MODE  
OPTION

# Remote Bugs Panel

Puts control of EFIS functions within easy reach

**Dedicated Controls:** For frequently-used functions, including autopilot.

**Reduced Pilot Workload:** Quick, intuitive access to key EFIS capabilities during IMC or other high-workload situations.

**High-Speed:** High-speed serial communication.

**NVG Mode Option:** Night Vision Goggle compatibility.

## Greater precision

- “Heading” knob dedicated to EFIS heading bug function
- “Altitude” knob dedicated to EFIS altitude bug function
- “LNAV”-dedicated push button switches the EFIS autopilot roll steering output from heading sub-mode to sub-mode
- “VNAV”-push button switches the autopilot pitch steering and commanded VSI output from target altitude sub-mode to sub-mode
- Multi-function “Set” knob with current function indicated by main display
  - Two dedicated “Arrow” push buttons used as a function selector for the “Set” rotary knob
  - 8-character main display, 4-character option display

# Remote Bugs Panel

Required for Part-25 airplanes and IFR helicopter installations

## Remote Bugs Panel Specifications

**MTBF:** 14,000 hrs. (MIL-HDBK 217)  
**COM Ports:** RS-422, 115.2K bps  
**Connector Type:** MIL-C 28999, 13-pin  
**Thermal Protection:** Internal thermal regulation and monitoring  
**Input Voltage:** Nominal, 9 to 328 V  
**Power Consumption:** 5 watts  
**Power Interruption:** 50 milliseconds

**Temperature Range:** -55°C to +70°C

**Master Brightness**  
**Control Input Rates:** Voltage Ranges:  
 0 to 5V, 0 to 14V,  
 0 to 28V  
**Input Impedance:**  
 0 to 5V: 47 K  
 0 to 14V: 115K  
 0 to 28V: 181K

**Size:** 5.75" x 1.88" x 1.7" (overall, w/o mating connector)

**Weight:** 0.8 lbs.

**Enclosure:** Machined 6061-T6 aluminum

**Finish:** Black anodized

**Display:** High-brightness LED dot matrix

**Mounting:** Dzus

**DO-160E Qualification:** [(F2)V]BBB[H+R+U]  
 XWXSFSZZAZ  
 [ZC][YK]M[A3J33]XXAC

