



# GH-3900RSU™ ESIS Remote sensor unit



## The most flexible Electronic Standby Instrument System for installation virtually anywhere

The Acron Aviation GH-3900RSU Electronic Standby Instrument System (ESIS) gives aircraft designers and installers the greatest possible flexibility when it comes to cockpit location. As the widest standby display available on the market today, the GH-

3900RSU is also the thinnest—making it the ideal back-up instrument for any business, regional and commercial aircraft or helicopters looking to conserve space. Designed as a two-part system that separates the display from the sensor array, the GH-3900 can be installed almost anywhere behind the aircraft's panel, conserving panel space.

A single RSU can support a dual display configuration making it ideal for tandem cockpit installations. Emphasizing the innovative design is the Remote Sensor Unit (RSU), which enables the 4.2 inch (diagonal) landscape display to be mounted virtually anywhere on the panel itself. With the ability to be located remotely, the RSU

provides housing rate/level sensors, air data transducers and optional accelerometers, delivering attitude, altitude, airspeed and navigation data to the high-resolution wide-screen DU-42 display. Heading data is also available using an ARINC 429 source or the L3 MAG-3000 magnetometer to help ensure pilots have all the critical information they need in the event of main instrument system failures.

Additionally, the GH-3900RSU allows the installer to define data I/O interfaces and Static Source Error Correction (SSEC) and Velocity Maximum Operations (VMO) values, as well as customize display parameters.

The GH-3900RSU design builds on the Acron Aviation extensive line of solid-state standby systems for fixed-wing Part 25, Part 23 (Class III & IV) and Part 27/29 rotorcraft.



### KEY FEATURES

- > Two box system
- > 4.2-inch diagonal high resolution display (DU-42)
- > Separate Remote Sensor Unit (RSU)
- > Installs in limited space behind panel (1.5" deep display)
- > Configurable I/O interfaces with display parameters and SSEC and VMO values
- > Interfaces support
  - > ARINC 429
  - > RS-422 serial bus
  - > RS-232 serial bus
  - > Discrete inputs
  - > Analog inputs
- > Part 25 and Part 23 (Class III & IV) aircraft
- > Part 27 and Part 29 rotorcraft

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DU-42 DISPLAY UNIT



GH-3900RSU

GH-3900RSU ESIS		
	DU-42 Display	GH-3900RSU Remote Sensor Unit
<b>Physical Description</b>		
Dimensions*		
Length	1.50 inches (38 mm)	8.32 inches (211 mm)
Width	5.25 inches (133 mm)	3.19 inches (81 mm)
Height	3.00 inches (76 mm)	3.35 inches (85 mm)
Weight	1.50 lb. max (0.68 kg)	3.2 lb. max (1.45 kg)
Power	+28 VDC nominal	+28 VDC nominal
Interfaces	ARINC 429 inputs (3) and output (1)	ARINC 429 inputs (7) and output (3)
	USB serial bus (1)	RS-422 serial bus (1)
	RS-232 serial bus (1)	RS-232 serial bus (1)
	I2C serial bus (1)	Discrete inputs (6) and outputs (2)
	Analog input (1)	Analog inputs (2)
		Pneumatic pressure ports
<b>Certifications</b>		
TSO	C2d, C3e, C4c, C6e, C8e, C10b, C34e, C35d, C36e, C40c, C46a, C66c, C95a, C106, C113a	C2d, C3e, C4c, C6e, C8e, C10b, C46a, C95a, C106
<b>Software / Firmware</b>		
	DO-178B Level B/DO-254 Level B	DO-178B Level A/DO-254 Level A

\* Excludes knob and connector

GH-3900RSU

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