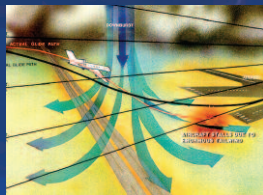


Wind Shear... A Continuing Threat.



LLWAS-RS... The Comprehensive Solution.



The dangers of wind shear are well documented.

Encountered on departure or final approach, these

localized, low-level downbursts can rob an aircraft

of lift, at a cost too often measured in lost aircraft and lost lives. Resulting from a variety of causes, the

phenomenon is impossible to predict. It can, however,

be identified in time to avoid its deadly effects.

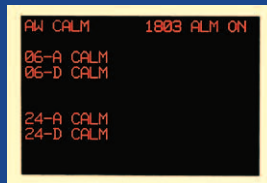


Climatronics' Low-Level

Windshear Alert System Relocation and Sustainment

(LLWAS-RS) was developed to meet the needs

of the U.S. Federal Aviation Administration (FAA), as a replacement for their older, less sophisticated

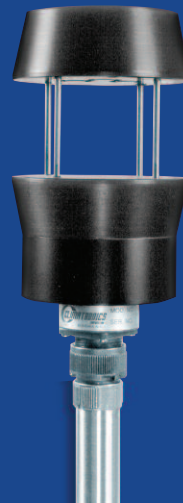


LLWAS Phase II equipment.

Built to provide 20 years sustainable operation and

deployed at more than 40 airports worldwide, this FAA certified system provides:

- **Field-proven compliance with FAA performance criteria**
- **The latest, proven Phase III wind shear detection algorithm developed at the University Center for Atmospheric Research (UCAR)**
- **FAA-required Probability of Detection (POD) performance**
- **Flexible, modular design with the capacity to support as many as 32 separate wind sensors for large airfield deployments**
- **A total, turnkey solution featuring state-of-the-art sensor and processing technologies**



www.climatronics.com

FAA-Certified Low Level Windshear Alert System (LLWAS-RS)

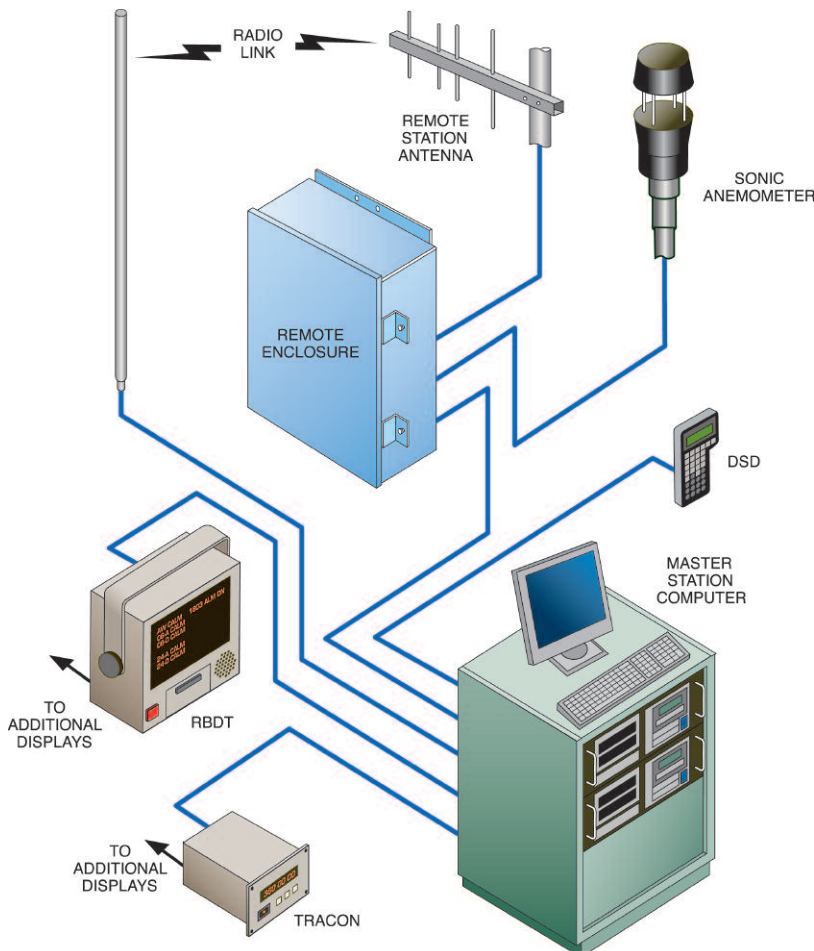
Proven Technology for Commercial Applications

Climatronics has been a leader in wind shear detection systems since 1982. We've been at it longer than any other manufacturer and support the largest base of systems operating worldwide. LLWAS-RS is our latest configuration, incorporating next generation sensor technologies, third-generation UCAR algorithms, and real time reporting.

In designing the LLWAS-RS, Climatronics took advantage of technologically advanced commercial off-the-shelf (COTS) components wherever practical — in the data processing and RF subsystems, for example. This not only improves the cost-efficiency of the overall systems design, it ensures enhanced sustainability through standardized maintenance practices and readily available spare parts.

Key features of Climatronics' LLWAS-RS system include:

- **Reliable data** — The tested and proven UCAR algorithms demonstrate a detection probability in excess of 90% and a false alarm rate under 10%. The system detects and provides alarms in real time for both microburst and windshear conditions.
- **Reliable equipment** — Our sonic anemometer measures wind speeds using ultrasound pulses and employs no moving parts. RF components are state-of-the-art. All field components are housed in weatherproof stainless steel enclosures.
- **Scalable architecture** — The LLWAS-RS can be configured to support from one to eight directional runways. The system interfaces with a wide variety of display and display control devices, including TRACON.
- **Affordability** — LLWAS-RS is proven to be as effective in detecting wind shear as weather radar systems costing ten times as much.
- **Sustainability** — The LLWAS-RS design, coupled with the extensive use of COTS components, provides the system with a minimum sustainability of 20 years service.
- **Turnkey deployment** — The simplicity and automation of the LLWAS-RS system provides a comprehensive wind shear solution with little or no customization and a minimum of training.



Climatronics is a world leader in the development and manufacture of weather sensors and systems. For more on LLWAS-RS, or our entire range of equipment and systems for aviation, visit our website at www.climatronics.com.



Airport International Plaza
140 Wilbur Place, Bohemia, NY 11716 USA
631.567.7300 • Fax: 631.567.7585
www.climatronics.com