

## TECHNICAL SPECIFICATIONS

## ENVIRONMENTAL CONTROL UNITS

**S**nowbird Technologies environmental control units (ECUs) are custom-engineered and manufactured to protect both people and equipment from the most intolerable conditions around the world.

Our units are designed to meet the extreme demands of military environments and are ideal for integration with mobile defense shelter systems, land, air, and water vehicles, and forward operating bases. The mil-spec design and durability make these units adaptable to industrial and commercial applications.

### TRUSTED SUPPLIER OF ECU SOLUTIONS TO PRIVATE AND PUBLIC DEFENSE ORGANIZATIONS



#### QUALITY PRODUCTS

trusted by the DoD, NAVSUP, DLA, Department of the Navy, and Tier 1 and 2 government contractors, and more since 1992.

All Snowbird Technologies ECUs have been qualified by the US Department of Defense through its testing programs and are available for use in compliance with all DoD requirements under prime and subcontract programs.



#### CUSTOM-BUILT

and assembled in our facility in Jacksonville, Florida, USA.

Our team of manufacturing professionals is dedicated to providing best-in-class customer service and support.



#### ENGINEERED TO EXCEED

your expectations with our in-house department of experts. Our ECUs are tested to MIL-STD-810, ASHRAE 37 capacity and verified to AMB.

Our units are designed for the harshest environments and can endure conditions up to 135°F.

We subject our units to EMI, shock, and vibration, sand, dust, and salt fog protocols, simulating actual operating conditions.

## MODEL: SMART TELEMATICS SYSTEM

### THE SMART SOLUTION FOR ECUS

Exclusively from Snowbird Technologies, SMART is a new telematics technology that is available on new and existing environmental control units and designed to improve capabilities and efficiencies while reducing downtime.

SMART is packaged in a modular system that offers the immediate capability of continuous remote control and monitoring of all critical ECU components. SMART is equipped with the 'brains' to notify users of the following: Warnings to prevent unit failures, automatic diagnostics to expedite repairs if a failure

occurs, and data logging for complete maintenance trackability. All SMART metrics can be monitored remotely and controlled over a network using a weatherproof CAT5e internet cable port on the front of the ECU.

### AUTONOMOUS DETECTION AND NOTIFICATIONS

Low refrigerant charge

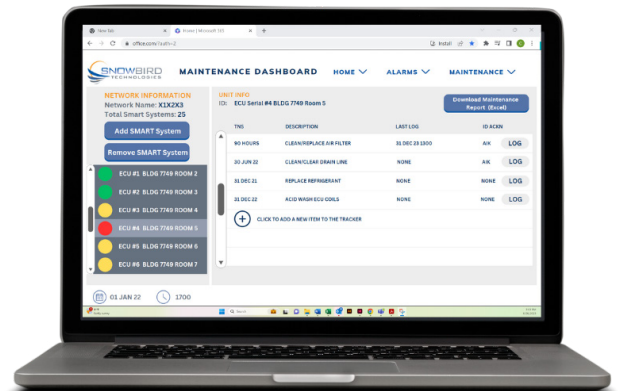
Refrigerant overcharge

Compressor overload\*

Extreme ambient conditions

Dirty electrical power supply conditions\*

*\*ECU will perform an emergency shutdown if needed to protect itself from catastrophic damage.*



### FEATURES

- Redundant sensors and backup operation modes built into the SMART package.
- Independent sensors for temperature control ensure ECU continues operating.
- Manual rotating switch included for continuous operation in the event that the system fails.
- Emergency VENT mode included.
- Variable refrigerant flow and air flow capabilities coming soon.