



THE SMART SOLUTION

With new technology comes new possibilities. More capabilities, higher efficiency, and reduced downtime are all possible with the proper application of components. This is where the Snowbird Technologies SMART ECU comes in.

This modular package offers the immediate capability of continuous remote control and monitoring of all critical components with warnings to prevent unit failures, automatic diagnostics to expedite repair if a failure occurs, data logging capability for maintenance teams to track the ECU's use and health, and a built in maintenance tracking program. Our first demonstration of the SMART Package is currently installed and being tested on our 18K Lightweight ECU.

The SMART system can be remotely monitored and controlled over a network by using a weatherproof CAT5e internet cable port on the front the ECU.

Snowbird Is The Go-To Source For Innovative Mobile Military Cooling Solutions.



INNOVATIVE COOLING SOLUTIONS

18K SMART ECU

Issues the SMART will be able to autonomously detect and alert the user to prevent unit failure include, but are not limited to:

- 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*

Redundant sensors and backup operation modes are built into the SMART package. Independent sensors for temperature control allow for a failure to occur but do not interrupt the ECU's operating capabilities. In the event of an HMI failure, a simple rotating switch will allow the ECU to Heat or Cool to a factory preset point of 75 degrees to allow continued operation at a comfortable temperature until the ECU can be repaired or simply recirculate air with an emergency VENT mode.

The immediate future expandable capabilities for this standard package include Variable Refrigerant Flow and Variable Air flow, allowing for a substantial increase in efficiency and offering a wider range of performance abilities. The SMART System has been designed to incorporate these functions already!

Reach out to Snowbird Technologies to see how a SMART ECU can advance your Heating and Cooling Capabilities!

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