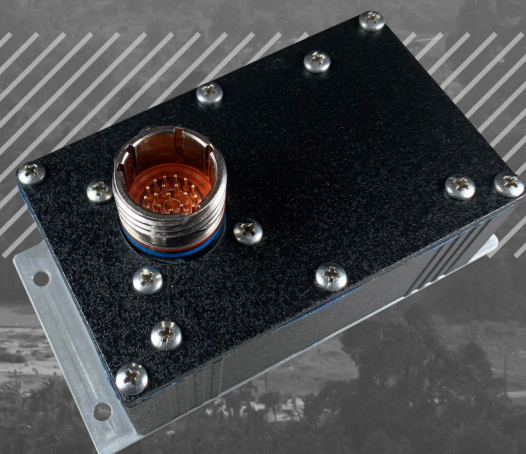


**SHADIN  
AVIONICS**

INNOVATION THROUGH SIMPLICITY



# **VOLTA-60 DISCRETE TO ARINC 429**



Contact us at 952-927-6500 or visit [www.shadin.com](http://www.shadin.com) for more  
information & specifications

Shadin Avionics recently announced the all new Volta Series data converter platform as a software free complement to the highly successful Avionics Interface System (AIS) Configurable Converter Platform (CCP). First in the new series is the Volta-60 Discrete to ARINC 429 converter (V60). The V60 is a fully customizable data converter for Discrete to ARINC 429 applications. Shadin will use this product to address the growing customer demand for such a plug-and-play flight worthy avionics package to digitally interpret discrete electronics throughout an aircraft. The rugged design utilizes a sealed enclosure, Mil-Standard circular connector, and is DO-160 qualified. It weighs less than one pound and consumes under 10 watts of power, making this converter ideal for any situation. The current design employs 16 discrete inputs which sense ground/open or supply/open levels and then transmits the status over a user specified ARINC 429 label.

Initial applications for the V60 include Engine discrete to ARINC but could easily be expanded to several systems on the aircraft. The possibilities are endless as this could be a high temp switch, chip detector, door status, limit switches and so much more. Consolidating all these items into two wires that may run the entire length of the aircraft could really save on weight and complexity of the wiring. Not to mention for display manufacturers that may be running out of discrete I/O, having the V60 could add discrete I/O and prevent costly upgrades to an already certified display system.

## **VOLTA-60**

