



The **ACRS-IDU-V1** LNA plate controller is designed for the most challenging **professional & military** satellite communication systems. It provides continuous operation without disruption of 1:1 or 1:2 LNA plates. Latest technology is applied to obtain the best noise figure, gain stability and return losses according to **MIL-STD-188-164C**. The ACRS-IDU-V1 is a **high reliability** solution designed for **harsh environmental conditions**, with every single production unit **fully tested** in an environmental chamber and delivered with a complete factory acceptance test report.

FEATURES

- Configuration mode 1:1 or 1:2 in the same housing
- Fully redundant, hot swap power supplies
- Remote control via RS232/485 and/or Ethernet
- Outdoor unit monitoring through contact closure
- Amplifier current and voltage fault detection
- Time-stamped events log
- Front panel display with LNAs operation

INTERFACES

| | |
|-------------------------------|------------------------------------------------------------------------------------------|
| AC input | 2 x IEC 320 |
| Summary alarm interface | DEM-9P |
| Remote interface | DEM-9S for RS485 DEM-9S for RS232 DB-37S for contact closure RJ-45 for Ethernet |
| LNA interface | DB-25S |

POWER SUPPLY

| | |
|-------------------------|---------------------------------------|
| AC Voltage | 90 – 250 V _{AC} |
| Frequency | 47 – 63 Hz |
| Power consumption | 35 W typ. (75W peak during switching) |

ENVIRONMENTAL SPECIFICATION

| | |
|-----------------------------|---------------|
| Operating temperature | 0 to +50 °C |
| Storage temperature | -40 to +85 °C |
| Relative humidity | up to 95% |
| Operating altitude | up to 3000 m |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------|---------------------|
| Chassis dimensions | 19 x 1.75 x 18.1 in |
| Weight | 4.5 kg typ. |