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 ......................................................... 85 – 265 V AC
Frequency ............................................................ 47 – 63 Hz
Power consumption .............................................. 30 W typ. (50W peak during switching)

ENVIRONMENTAL SPECIFICATION

Operating temperature ........................................... 0 to +50 ºC
Storage temperature ............................................... 40 to +85 ºC
Relative humidity ............................................... up to 95%
Operating altitude .............................................. up to 3000 m

MECHANICAL SPECIFICATIONS

Chassis dimensions ............................................... 19 x 1.75 x 20 in
Weight ............................................................... 4.5 kg typ.