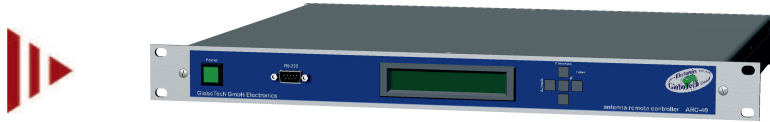


ARC-40

ARC-40 Antenna Remote Controller

GENERAL

The ARC-40 is an antenna-remote-controller designed in a 1RU/19" chassis. The unit is usable for motorized antennas, multi-feed systems, back-up antenna control in redundant satellite receive and distribution headends, flexible antenna systems, L-Band back up switching in Satellite downlink stations and cable headends while it features one-axis polarmount control, two-axis positioner with dual feed system and remote control via GLOBUSS-NMS or SNMP. Local control can be realized via a front-side LC-Display and 5 buttons. The unit is multifunctional while it can be used universally as 1, 2 or 3 axis controller. It can drive positioner motors with 24 or 36 VDC voltage. The response of the antenna position can be made by Reed contacts, hall sensors, optical sensors or potentiometers. Two limit switches per axis can be monitored (East / West, respectively Up / down). In addition, a magnetic or mechanical polarizer can be connected. To compensate the loss of the supply lines the magnetic polarizer operates at a constant current source. Via manual start of any satellite and input of the latitude and longitude all other orbital positions will be calculated automatically. In case of power failure during the rotation the system will be re-initialized automatically. Of course, all settings and calibration data are stored in a nonvolatile memory assuring data retention at all times. Via the GLOBUSS NMS-SW each satellite can be approached easily and precisely, taking into account the azimuth, elevation and polarization data (integrated satellite-database updatable via internet). Naturally it also supports remote control of IRD's L-band switches and routers, so that all settings of this units can be done with one mouse click. A wind detector can be connected so to monitor the actual wind speed data and to move the antenna into the storm position at high wind speeds. In addition, the device has a floating and two open-collector outputs to drive external components (relays, etc.).



FEATURES

- Space saving 1RU/19" design
- One axis polarmount antenna control
- Two axis positioner with dual feed system
- Remote control via GLOBUSS-NMS or SNMP
- Supports auto tracking and wind measurement
- Front side LCD & keypads

TECHNICAL SPECIFICATION

➤ Dimensions:	1RU/19", 260mm depth
➤ Power supply:	76...264V
➤ Power consumption:	140W
➤ Temperature-range:	10...35°C
➤ Display:	LC-Display
➤ Local-control:	5 button menu guidance 1 RS232 front-side (option) 2 RS232 back-side 10Base-T Ethernet (TCP/IP)

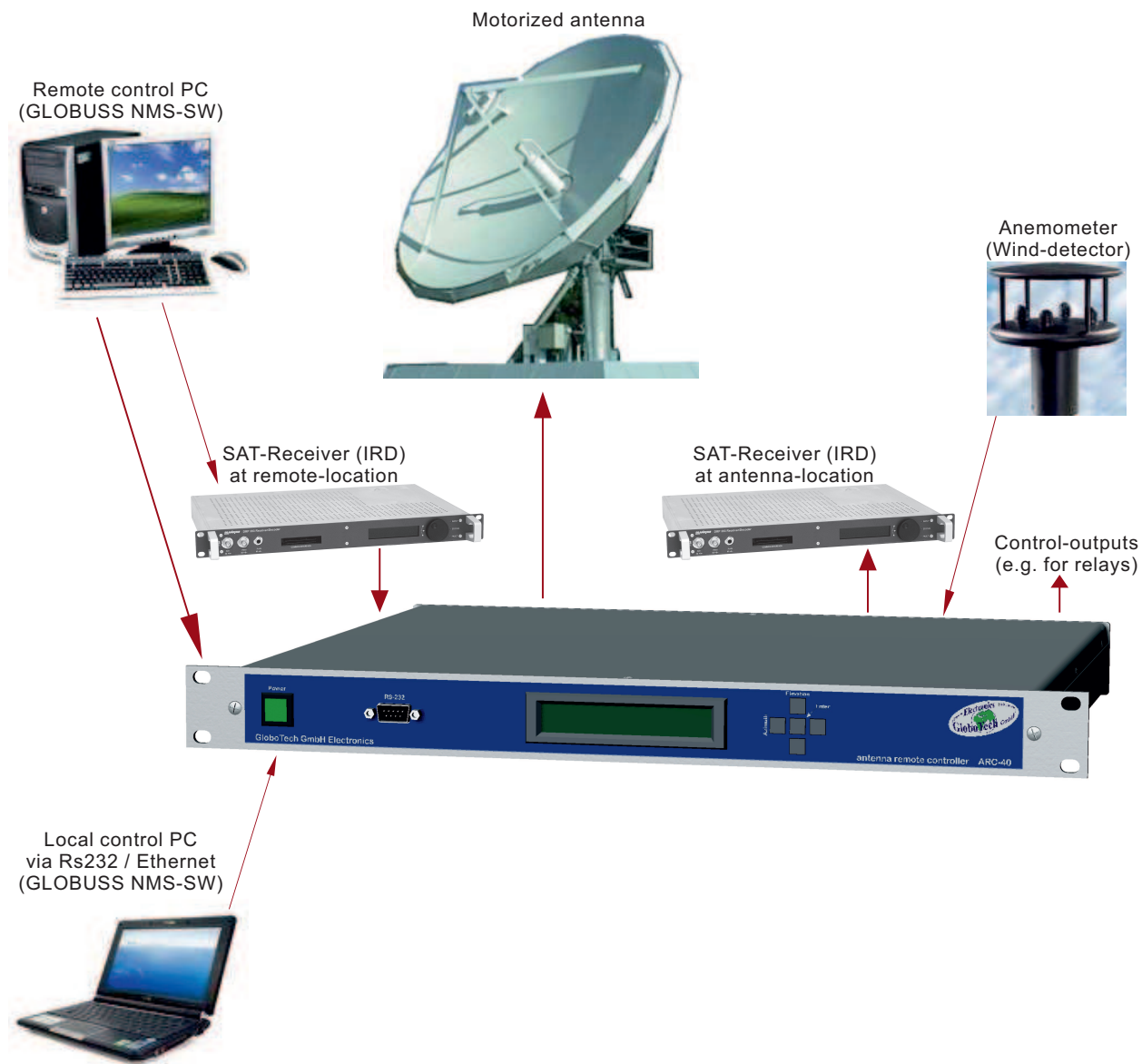
TECHNICAL SPECIFICATION

➤ Controller outputs:	1 x potential free 2 x open-collector
➤ Positioner Types:	Polarmount Az / El (2 x axial)
➤ Motor voltage:	+/- 24VDC or 36VDC
➤ Polarizer types:	+/- 80mA (magnetically) GND, +5V, Puls (Servo)
➤ Position indicator:	Reed contacts Hall sensors Potentiometer (option)
➤ LNB-types:	Universal (14V, 18V, 22kHz) Single-axis (14V, 18V) Dual-feed support in combination with DiSEqC-Switch (Option)
➤ Autotracking:	Receiver AGC-output Beacon-Receiver contr.
➤ Wind measurement:	Wind detection for protection of larger dishes
➤ Comm. protocols:	GLOBUSS SNMP (Option)

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APPLICATION DIAGRAM



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