

ILC4802

Quad Intelligent LNB-Supply/Controller unit

Made
in
Germany

GENERAL

The ILC4802 is an intelligent Quad LNB supply/control unit featuring four active amplifiers with adjustable gain and four internal Bias-Tees/Directional couplers with 13/15/18V, 22kHz supply and current-monitoring (400mA) with alarm shut-off function for max. 4 LNB's while it allows to configure all individual LNB's locally and remotely.

The unit is available in a compact and space-saving 1RU/19" rack-mount chassis providing 1:1 power supply redundancy (hot swapp.). An integrated RF power detector measures the RF output power with 70dB dynamic range within all four amplifiers while the unit is also equipped with four front-side monitoring ports (-20dB). Local control of the device can be done via the front panel LC-Display/keypads while colored status LED's indicating various device statuses. Remote access, monitoring and configuration can be realized via its Ethernet-interface (WebGUI, SNMP).

The unit is ideally suited for LNB-supply/control purposes in Satellite-, Broadcast and Broadband communication architectures such as Teleports, Satellite Earth Stations, Broadcast facilities and CATV/IPTV headend platforms. The ILC4802 is available with 50Ohm SMA(f) or 75Ohm F(f) connectors (see order information).



FEATURES

- Space saving 1RU/19" design
- Compact LNB-powering/control for up to 4 LNB's
- Frequency range 950...2.150MHz
- Available with 50Ohm SMA(f) or 75Ohm F(f) connect.
- 4 Active amplifiers each with adjustable gain (-15...+15dB)
- Switchable LNB-supply 13/15/18V, 22kHz
- Current monitoring 400mA (alarm shut-off function)
- 4 monitoring ports (-20dB) at front-side
- 2 RF-outputs @ each ILC4802-M module
- RF-power monitoring
- Adjustable min. threshold alarm for RF-power
- Excellent RF performance and stability
- Front side control LC-Display/keypads for local configuration
- Remote access & configuration via 100Mbit Ethernet-Interface (WebGUI/SNMPv2c)
- Front-side status LED's
- 1:1 redundant power-supply (hot-swappable)

ORDER INFORMATION

- **ILC4802:** Intelligent QUAD LNB-supply/control unit, 50Ohm SMA(f) 1RU/19"
- **ILC4802-75:** Intelligent QUAD LNB-supply/control unit, 75Ohm F(f) 1RU/19"

TECHNICAL SPECIFICATIONS

- **Dimensions:** 1RU/19"
- **Power supply:** 85...230V, 50/60Hz
1:1 redundant (hot-swapp.)
- **Power consumption:** <10W
- **LNB-power/control:** for max. 4 LNB's
- **Frequency range:** 950...2150MHz
- **Input/Output connector:** 50Ohm SMA(f) / 75Ohm F(f)
- **LNB-supply:** 13/15/18V, 22kHz
- **LNB current monitor.:** 400mA
- **Measuring port:** 4 x -20dB, 50Ohm SMA(f)
- **Adjustable gain:** -15...+15dB (MGC/AGC)
- **RF power monitoring:** 70dB dynamic range
- **In-/Output return loss:** 16dB typ.
- **Frequency response:** ±0,5dB typ., ±1,0dB max.
- **Local control:** LC-Display/keypads
- **Remote control:** 100Mbit Ethernet-Interface (WebGUI, SNMPv2c)
- **Status monitoring:** Front-side LED's
- **Operating temperature:** 0...45°C
- **Storage temperature:** -10°C...70°C
- **Humidity:** 90% non-condensing
- **RoHS:** Compliant

➤ **NEXT PAGE:** Standard QUAD LNB-Supply unit

SLC4402

Quad Standard LNB-Supply unit

Made
in
Germany

GENERAL

The SLC4402 is a standard Quad LNB-supply unit featuring four internal Bias-Tees with 13/15/18V, 22kHz supply and current-monitoring (400mA) with alarm shut-off function for max. 4 LNB's while it allows to configure all individual LNB's locally and remotely. The unit is available in a compact and space-saving 1RU/19" rack-mount chassis providing 1:1 power supply redundancy (hot swappable) and four front-side monitoring ports (-20dB).

Local control of the unit can be done via front-side LC-Display/keypads while colored status LED's indicating various device statuses. Remote access, monitoring and configuration can be realized via its Ethernet-interface (WebGUI, SNMP). The unit represents a compact and reliable LNB-supply solution and is ideally suited for applications in Satellite-, Broadcast and Broadband communication architectures such as Teleports, Satellite Earth-Stations, Broadcast facilities and CATV/IPTV headend platforms. The SLC4402 is available with 50Ohm SMA(f) or 75Ohm F(f) connectors (see order information).



FEATURES

- Space saving 1RU/19" design
- Compact and reliable LNB-supply for up to 4 LNB's
- Frequency range 950...2.150MHz
- Available with 50Ohm SMA(f) or 75Ohm F(f) connect.
- Switchable LNB-supply 13/15/18V, 22kHz
- Current monitoring 400mA (alarm shut-off function)
- Excellent RF performance and stability
- Front side control LC-Display/keypads for local configuration
- Remote access & configuration via 100Mbit Ethernet-Interface (WebGUI/SNMPv2c)
- Front-side status LED's
- 1:1 redundant power-supply (hot-swappable)

TECHNICAL SPECIFICATIONS

- **Dimensions:** 1RU/19"
- **Power supply:** 85...230V, 50/60Hz
1:1 redundant (hot-swapp.)
- **Power consumption:** <10W
- **LNB-supply:** for max. 4 LNB's
- **Frequency range:** 950...2150MHz
- **Input/Output connector:** 50Ohm SMA(f) / 75Ohm F(f)
- **LNB-supply:** 13/15/18V, 22kHz
- **LNB current monitor.:** 400mA
- **Insertion loss:** 1dB max.
- **In-/Output return loss:** 16dB typ.
- **Frequency response:** ±0,5dB max.
- **Local control:** LC-Display/keypads
- **Remote control:** 100Mbit Ethernet-Interface (WebGUI, SNMPv2c)
- **Status monitoring:** Front-side LED's
- **Operating temperature:** 0...45°C
- **Storage temperature:** -10°C...70°C
- **Humidity:** 90% non-condensing
- **RoHS:** Compliant

ORDER INFORMATION

- **SLC4402:** Standard QUAD LNB-supply unit, 50Ohm SMA(f), 1RU/19"
- **SLC4402-75:** Standard QUAD LNB-supply unit, 75Ohm F(f), 1RU/19"