



Phantom Feed (UK):
ISU2010-UK

Phantom Feed (Euro):
ISU2010-EURO

Phantom Feed



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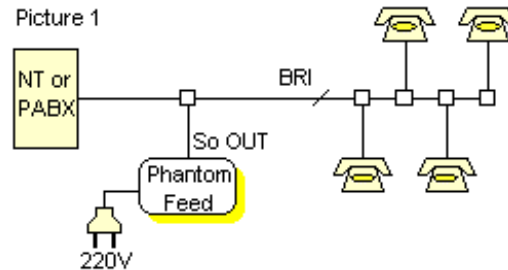
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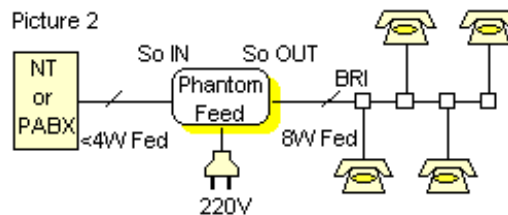


Description

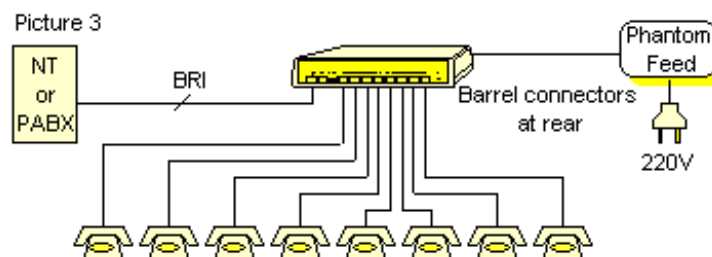
The Phantom Feed is a power-feeding device for the ISDN Basic Rate Interfaces (S_0). A maximum of 8W may be supplied to terminal devices (TE, e.g. ISDN-Telephones). Unfed BRIs may be connected directly to the S_0 OUT port of the Phantom Feed. (See Picture 1).



To avoid shorts and overloads with already fed BRIs, it is possible to connect such interfaces to the S_0 IN port of the Phantom Feed. The power feeding of the NT or PABX is then decoupled from the data signals and suppressed. The data signals pass to the S_0 OUT port, which is also supplied with the Phantom Feed power feeding voltage. (See picture 2).



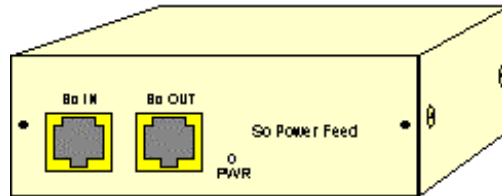
To supply up to two BRI-Hubs and feed the terminal devices connected to them, the two jacks on the rear of the Phantom Feed are used. The S_0 IN and S_0 OUT ports are left unused. If an additional BRI should be fed then the S_0 IN and S_0 OUT may also be used. Please note that the total power output of 16W may not be exceeded (automatic shut down, see picture 3)



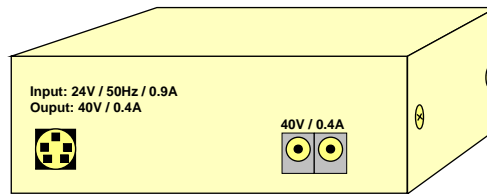
Connectors and Displays

On the front side there are two RJ-45 connectors. S₀ IN connects to the NT or PABX if it is already fed. S₀ OUT connects to the BRI S Bus to be fed.

The green LED is on when the power feeding voltage is supplied. During overload or short circuit the LED is off.



The connector for the power adaptor and the two connectors for supplying Black box's BRI-Hubs are located on the rear side.



Operation

All outputs of the Phantom Feed are protected against short circuits. The device automatically powers off in an overload condition. The port S₀ OUT is protected with a super fast self-retaining fuse. This protects the cabling and termination resistors connected to the S₀ OUT port. Otherwise resistors may burn out if they are not installed correctly.



Technical Specifications

Basic Rate Interfaces (S₀)

Number of interfaces.....	1
Transmission rate.....	192 KBit/s
Mechanical interface.....	1 x RJ-45 jack (NT or PABX already fed, S ₀ IN 1 x RJ-45 jack (BRI to be fed, S ₀ OUT)

Common Specifications

Size (W x H x D).....	116 x 43 x 112 mm
Weight.....	675g (incl. power cord)
Operating temperature.....	-10° to 40°C
Storage temperature.....	-20° to 70° C
Humidity.....	max. 90% (non condensing)
Input voltage.....	220V~ +/- 10%
Power consumption.....	max. 20W
Power adaptor.....	Primary side: 220V 18VA. Secondary: 24V, 0.75A

To mount the Phantom Feed in a 19" environment, an optional 19" 1HE front panel is available that may hold up to two Phantom Feed devices. The front panel is mounted to the front of the Phantom Feed device(s).



Security and Environmental Notes

- The power adaptor adheres to safety class II and may only be used indoors.
- Do not use the power adaptor when it has been brought from a cold to a warm environment - Condensing water may damage the unit.
- There are no user servicable parts inside the power adaptor. Therefore it is not necessary to open the unit.

