

Doubler for Extending Reach of Two-Pair Fixed Rate HDSL



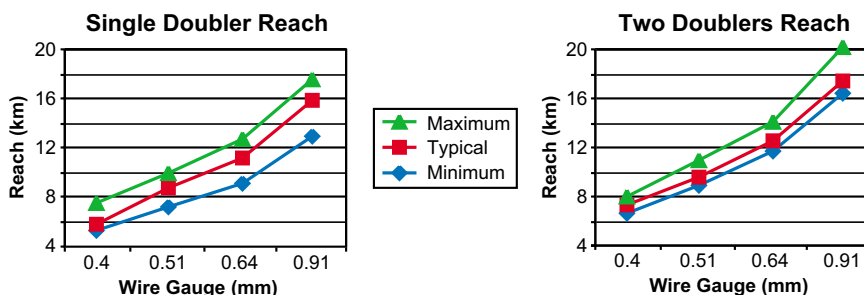
The EDU-840, L2 is utilized to extend the reach of a two-pair fixed rate WorldDSL HDSL circuit. Up to two EDU-840's can be installed in a circuit, each of which will extend the reach of the circuit. For example, if, based on the noise model and wire gauge, reach is 3 Km, adding one EDU-840 will extend reach to 5.8 Km and a second will extend reach to 7.5 Km. The EDU-840 is suitable for outdoor use and is mounted in one of several ADC weatherproof enclosures. It features a front panel LED for easy verification of operation during installation and troubleshooting as well as lightning and power cross protection on all inputs.

The EDU-840, L2 is line powered by any WorldDSL LTU. Built-in loopback capabilities are provided for easy line sectionalization for troubleshooting and acceptance testing. The EDU-840, L2 can be part of a fully managed system. Using a VT100 compatible terminal or a PC at the Central Office, the doublers can be remotely managed via the powering LTU local Craft port or centrally via a Management Card installed in a Central Office shelf. ADC's SNMP management software running under Windows may also be used to provision the system, collect alarm and performance data, and conduct diagnostic tests either locally or from a remote management station. In any of these modes, the EDU-840, L2 can be programmed and managed through the Central Office, minimizing travel to the customer site.

Ordering Information

Catalog No.	Part No.	CE Mark Compliant	Description
EDU-840, L2*	150-1450-11*	Yes	Doubler
HRE-500	150-1577-01	Yes	Single slot outdoor submersible enclosure
HRE-504, L1	150-2202-01	No	Four-slot outdoor enclosure, 30-foot gel filled stub
HRE-504, L2	150-2202-02	No	Four-slot outdoor enclosure, 30-foot air filled stub
HRE-506, L1	150-2204-01	No	Six-slot outdoor enclosure, 30-foot gel filled stub
HRE-506, L2	150-2204-02	No	Six-slot outdoor enclosure, 30-foot air filled stub

*Note: Effective 1 January 2001, if a CE mark is required, change the Catalog No. to "EDU-840, L3" and the Part No. to "150-1450-11C".



EDU-840 Specifications

HDSL Interface	Line Code: 2B1Q Line Rate: 1168 kbps on each pair Output: 13.5dBm ± 0.5dB Reach: See charts above. NTU must be locally powered HDSL Line Input DC Resistive Signal: Open HDSL Line Output DC Resistive Signal: Open Maximum Provisioning Loss: 35dB at 292kHz Connector: Edge card Protection Compliance: ITU-T K.17 Protection Provided: Secondary protection on doubler, primary protection (gas discharge tubes) as part of enclosure Compliance: ETSI TS101135 and ITU-T G.991.1
Power	Power Consumption: 2.5W Power Input: 75VDC minimum, 120VDC maximum applied between Tip and Ring on each HDSL pair
Indicators	LED: Green to indicate loop acquisition and synchronization
Loopbacks	Loopback: Analog towards LTU remotely commanded
Physical	Size (HxWxD): 66 x 37 x 165 mm Weight: 0.82 kg Operating Temperature: -40°C to +65°C Storage Temperature: -40°C to +85°C Humidity: 5% to 95% non-condensing Operating Elevation: 61 m below sea level to 4 Km above
Regulatory	CE Marked (in HRE-500 only) Safety: EN60950 Emissions and Immunity: EN55022, EN-50081-1, EN-50082-1 (prior to 1 January 2001) EN 300386-2 (after 1 January 2001)



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