Andover Controls

Infinity

InfiLink 210 Communications Unit

The InfiLink 210 is fiber optic Infinet repeater, designed specifically to extend the Infinet with the noise immune media of fiber optics.

With one RS-485 port and two duplex fiber ports, the InfiLink 210 allows point-to-point daisy chaining or stacking for use in hub applications. Using two InfiLink 210s with fiber, you can connect the Infinet directly between two buildings without the worry of electrical noise interference. Data transmission speeds for the InfiLink 210 are switch selectable from 300 to 19.2K baud.

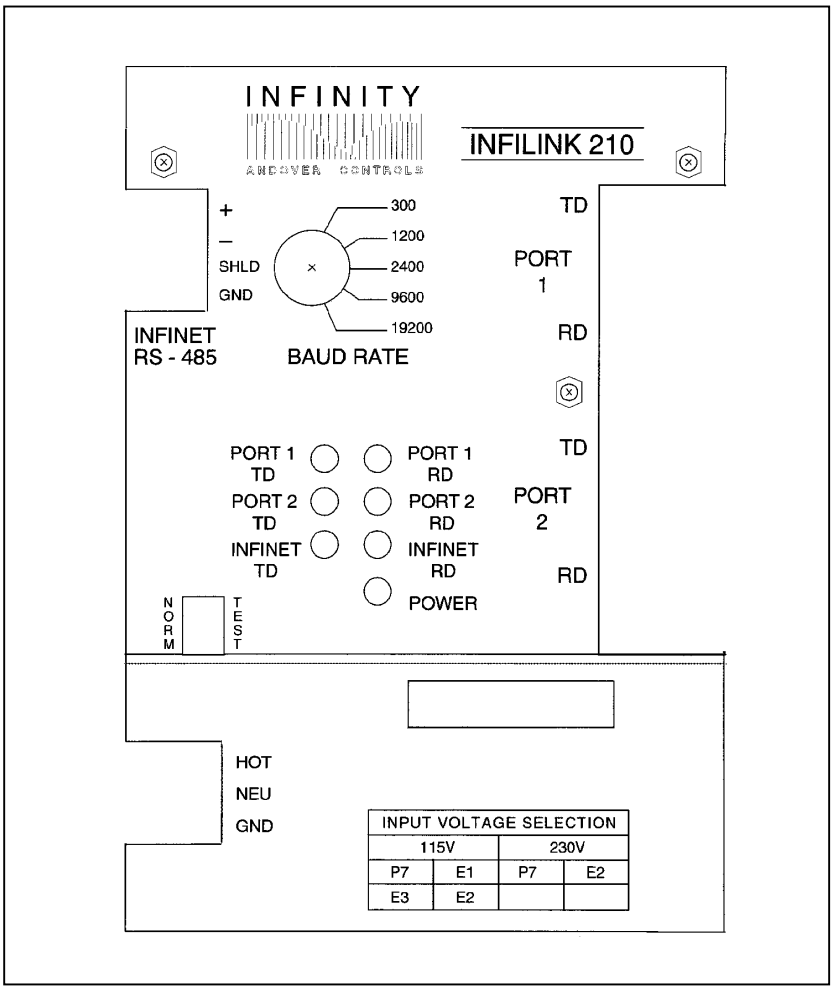
The InfiLink 210 simplifies network troubleshooting by using LED indicators. These LEDs flash to indicate the data transmittal status of the fiber optics and Infinet ports.

The InfiLink 210 is provided with a hinged, black aluminum enclosure. Installation is simple using the detachable two-piece screw terminals on the RS-485 port and the built-in “ST” style connectors on the fiber optics ports.

F E A T U R E S

- **RS-485 To Fiber Optic Conversion Provides Noise-Free Communications**
- **Dual Fiber Optic Ports for Daisy Chain Configuration**
- **Detachable RS-485 Connectors Provide Easy Installation**
- **Switch Selectable Baud Rates, from 300 to 19.2K Baud**
- **Input Power Jumper Selectable**
- **Full LED Indication For Easy Troubleshooting**

7.5"
190.50mm



8.0"
203.20mm

Depth: 2.75"
69.86mm

SPECIFICATIONS

ELECTRICAL

Power:	120/240 VAC, 50/60 Hz, jumper selectable
Power Consumption:	12 VA
Overload Protection:	Fused with 3 amp 3AG fuse. MOV protected.

MECHANICAL

Operating Environment:	32 to 120°F (0 to 49°C), 10 to 95% RH (non-condensing)
Size:	8 1/4" H x 7 1/2" W x 2 3/8" D (210 H x 190 W x 60 D)mm
Weight:	6 lbs. (2.7kg)
Enclosure Type:	NEMA 1-style metal enclosure, IP 20

COMMUNICATIONS

Communications Speed:	300 to 19.2k baud, switch-selectable
Propagation Delay:	RS-485 to fiber port = .5µs max. (Does not include media delay.) Fiber port to fiber port = .5µs max. (Does not include media delay.)
Bus Length:	RS-485 not to exceed 4000' or 31 devices. Fiber run not to exceed 13.5 dB fiber loss including connectors. Note: When connected in series, the maximum propagation delay from farthest node to farthest node (including media propagation delay) must not exceed 140µs. Generally, up to 12 InfiLink 210s can be placed in series. For larger networks, please contact the factory.
Bus Media:	Infinet: twisted, shielded pair, approved, low capacitance cable.
	Fiber Optic: 62.5/125 duplex glass fiber optic cable.

CONNECTIONS

Power:	Three-position barrier strip
RS-485 Input:	Removable two-piece terminal strip
Fiber Optic:	Fiber optic transceiver interface (ST)

AGENCY LISTINGS

UL/CUL 916, 864-UUKL, FCC

OPTIONS

- UL-864, UUKL Compliance

Andover Controls Corporation
World Headquarters
300 Brickstone Square
Andover, Massachusetts 01810 USA
Tel: 508 470 0555 • Fax: 508 470 0946
http://www.andovercontrols.com

Andover Controls Ltd.
Smisby Road
Ashby-de-la-Zouch
Leicestershire LE65 2UG England
Tel: 01530 417733 • Fax: 01530 415436

Andover Controls GmbH
Am Seerhein 8
D-78467 Konstanz, Germany
Tel: 07531 99370 • Fax: 07531 993710

Andover Controls S.A.
93 avenue de Fontainebleau
94270 Le Kremlin-Bicetre
Tel: 1 49 606363 • Fax: 1 49 606271

Andover Controls Asia
707 Chinachem Golden Plaza
77 Mody Road, Tsimshatsui East
Kowloon, Hong Kong
Tel: 2739 5497 • Fax: 2739 7350

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