

ISB

Intercom System Bypass

For Use with Telephone Entry
Systems Interfacing with
VDSL/POTS Lines

Combination of Low Pass
and High Pass Filters for DSL
Signal Bypass of Entry System

Compact, Modular
Craft Friendly Design

Tool-Less Termination

Utilizes Tii's Gel-Sealed IDC
Rocker Design

Snaps Easily into ISB-PLATE
Adapter Panel



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ISB



ISB-PLATE

The ISB enables sensitive VDSL2 signals to bypass around telephone and gate entry systems commonly used in apartment buildings and gated communities. The module enables the POTS portion of the Telco's signals to be routed through the entry system and recombined with the pristine DSL signal for transport to the apartment or home, avoiding the severe losses associated with routing the DSL signal through the telephone entry system. The ISB module easily snaps into the ISB PLATE adapter panel.

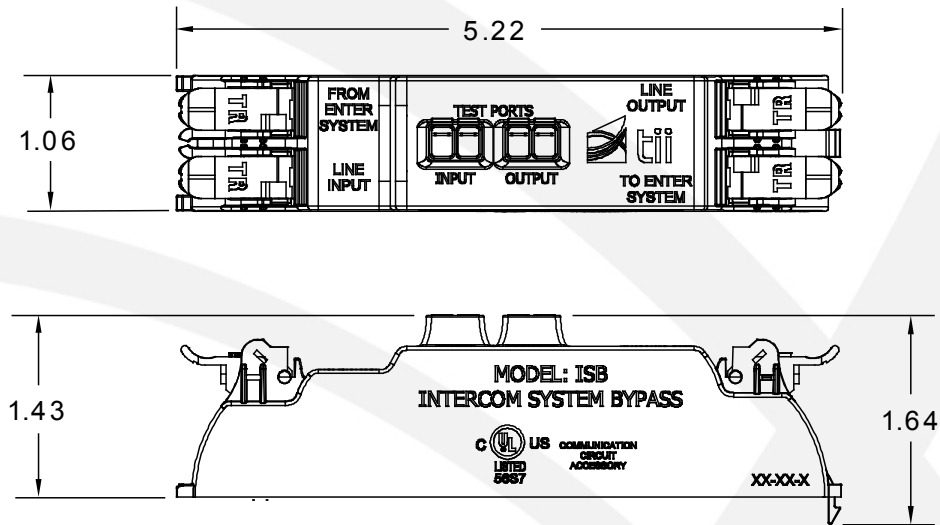
KEY PRODUCT BENEFITS

- ▶ Module is designed to snap into the Tii ISB-Plate.
- ▶ Protects DSL signal from degradation caused by telephone entry systems.
- ▶ Full entry system functionality maintained along with a robust DSL signal.
- ▶ Superior performance and reduced space/cost relative to using two splitters back to back.
- ▶ Terminations are made to gel-sealed insulation displacement contacts (IDC) by means of convenient tool-less rocker assemblies. Wire strip is not required.
- ▶ Convenient integral sealed test points -- no additional loose test clips are required.
- ▶ The module is molded of temperature and humidity resistant thermoplastic, which resists cracking, crazing and discoloration.
- ▶ Compact, modular design for optimal wiring.
- ▶ Accepts 26 through 22 AWG solid conductor wire.

INDUSTRY STANDARDS

- ▶ Listed to cUL 1863

ISB



Dimensions are in Inches

SPECIFICATIONS

Electrical

| | |
|---|--|
| DC Loop Current | 0 to 100mA |
| DC Loop Voltage (tip-to-ring) | 0 to -60 V dc |
| Ringing Signal | 103 Vrms superimposed on DC Loop Voltage |
| DC Resistance (Input to Enter System) & (From Enter System to Output) | < 20 ohms |
| Insertion Loss (Input to Output) | < 1.0 dB |
| Return Loss (VoiceBand)(Short & Long Loop) | > 7 dB |
| DSL Band Attenuation (To and From Enter System) | > 55 dB; 30kHz - 30 MHz |
| DC Current Influence (Ring Tip) | < 2% up to 300mA |

Environmental

| | |
|-----------------------|----------------------------|
| Operating Temperature | -40 to 65°C (-40 to 149°F) |
| Relative Humidity | 0 to 95% non-condensing |

ORDERING INFORMATION

| Model No. | Description |
|--------------|--|
| ISB | Intercom System Bypass |
| ISB-Plate | ISB Plate Adapter Panel |
| ISB-Plate-06 | ISB Plate Adapter Panel Equipped with (6) ISB Modules |
| ISB-Plate-12 | ISB Plate Adapter Panel Equipped with (12) ISB Modules |