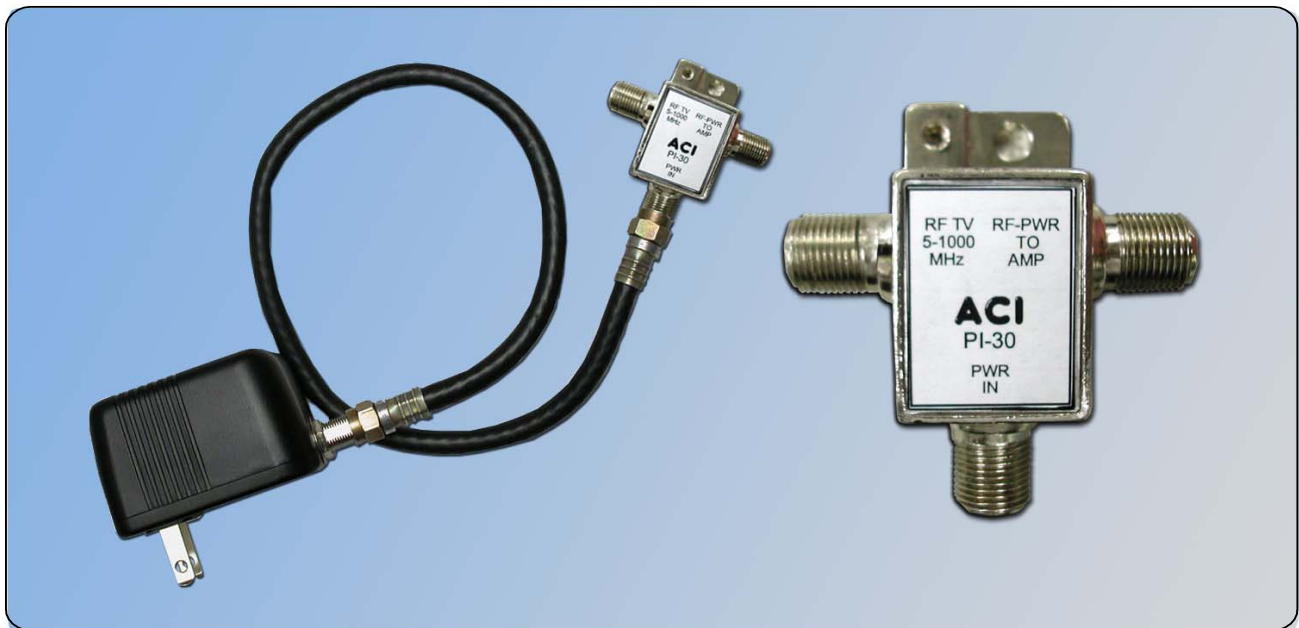




## Power Inserter



The ACI PI-30 power inserters are RF devices whose primary purpose is to power applicable drop amplifiers by multiplexing DC power with RF signals on a drop cable at the customer premise.

The PI-30 is designed for use with the ACI signal stretchers or any amplifier that requires a power input of 12 VDC – 30 VDC @ 300mA / 500mA.

### Features

- 1 GHz die-cast zinc aluminum housing to provide excellent RF shielding
- Clearly labeled to facilitate hook-up
- Two-way transmission
- "F" connectors on all ports for ease of installation with standard drop cable
- Perfect for both indoor and outdoor applications

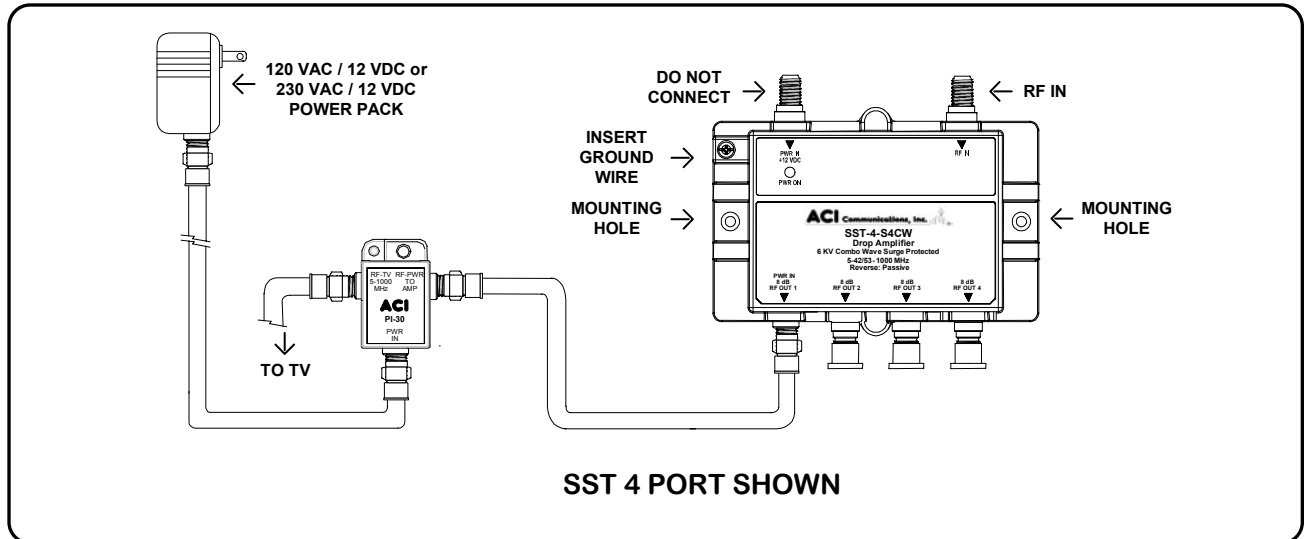
# ACI Communications, Inc.

## PI - 30 Specifications

Description	Unit	Specification
Parameter		PI - 30
Frequency bandwidth	MHz	5 -1000
Insertion loss (worst case)	dB	1
Return loss (worst case)	dB	18
Hum modulation (operating)	dB	60
Isolation (1 GHz)	dB	>60
RFI ingress	dB	Better than -110
Powering	VDC	30 @ .3A / 12 @ .5A
Housing		Die-cast aluminum
Dimensions	inch (mm)	1.8 H X 2.2W X 0.7D [45 H X 55 W X 18 D]
Weight	lbs / (kg)	0.1 (0.05)

## Ordering Information

Description	Part Number
Power Inserter - 12 - 30 VDC	PI - 30
Power Packs	
120 VAC/12 VDC	120V - U
230 VAC/12 VDC	230V - A



### Electrical Safety (North American Example)

The wall mounted (electrical outlet) power supply requires 120VAC, 60Hz, 1-ampere maximum input power source, with proper ground. Please refer to local electrical codes. The amplifier may require 12-30VDC at 300/500ma. The power transformer should be UL Type 2 rated.

It is recommended that the power pack not be installed on a circuit that is shared with such electrical noise sources as motors, starting solenoids, toasters, or equipment that operates intermittently with high starting currents.

**WARNING:** The power pack should be connected to an 120VAC outlet equipped with a third-wire earth ground to ensure safe and proper operation. Connecting the power pack to an AC outlet without a safety ground, bypassing the safety ground, or in any way disrupting the safety ground connection could make the amplifier, power inserter and power pack an electrical shock hazard. Ensure that the amplifier's grounding and electrical wall outlet comply with Article 250 of the National Electrical Code, and all local electrical codes.

# ACI Communications, Inc.

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ACI Communications, Inc. reserves the right to discontinue the manufacture of or change specifications without prior notice on any parts illustrated in this data sheet. Current drawings are available upon request.

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