

ILC

ILC Model

400-6070

3.34 A
400 VA
120 V

Low impedance

Isolation transformer

Easily mounted

Isolation transformer line conditioner

TSi Power's ILC Series line conditioners offer all-around power conditioning and surge protection for sensitive electronic equipment. The integral isolation transformer provides for 100% isolation from the input AC line, while the secondary neutral-to-bond eliminates all surge voltages between neutral and ground. Surge protection and noise filtering are superior to conventional surge protection and filtering devices.

Typical applications

TSi Power's isolation line conditioners are designed for sensitive, specialized microprocessor-based equipment where reliability and predictability are crucial, such as point-of-sale terminals, telecommunications equipment, file servers, routers, digital copiers, office machines, industrial controllers (PLC) and analyzers.

How the ILC conditioners work

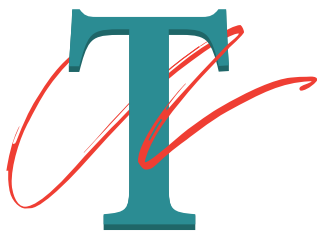
The integral isolation transformer provides complete isolation between the primary and secondary windings and permits bonding its output neutral-to-ground, which completely eliminates all disturbances between neutral and ground, regardless of source. The ILC's isolation transformer provides series inductance and the combination of the capacitance element and an MOV offers superb noise filtering, as well as coordinated multi-stage surge protection in accordance with the principles of IEC 61312.3.



Front view showing integral mounting flanges



Rear view showing 5-15 outlet, resettable breaker and six (6) foot power cord

**TSi POWER**1103 W Pierce Avenue
Antigo, WI 54409 USA

Tel: + 1-715-623-0636

Fax: + 1-715-623-2426

Toll-Free: 1-800-874-3160

email: sales@tsipower.com

Web: www.tsipower.com

Features and Benefits

- *Integral ILC mounting flange provides for vertical mounting flexibility*
- *Isolation transformer eliminates interference from adjacent sources*
- *Secondary neutral-to-ground bond eliminates all surge voltages to protect sensitive equipment*
- *Two AC outlets provides ample output hook-up*
- *Low unit weight makes for easy installation and easy re-arrangements*
- *High efficiency of the unit results in more reliable operation*
- *ILC design contributes to extended operating life while reducing service costs*
- *Five-year limited warranty backs-up workmanship and product performance*

SPECIFICATION	400- 6070
INPUT	
Nominal voltage	120 V
Operating voltage	100 - 130 V
Nominal frequency	60 Hz \pm 3
Circuit breaker	4 A push-to-reset circuit breaker
AC input cord	6 foot long AC power cord with NEMA 5-15 plug
Surge voltage withstand	ANSI/IEEE: 6 kV, 1.2 x 50 μ s/3 kA, 8 x 20 μ s; L-N: 450 V L-G: 300 V N-G: 300 V
OUTPUT	
Output power	400 W
Voltage	120 V
Power efficiency	94 % typical
Total harmonic distortion	< 1 %
Surge protection	A three-stage surge protection system consisting of isolation transformer, capacitor and MOV is included
Surge test conditions	Per ANSI / IEEE C62.41-1991 test waveforms
Surge let-through voltages	Single pulse: L-N: 50 V, L-G: 50 V, N-G: 0.5 V Ring wave: L-N: 20 V, L-G: 20 V, N-G: 0.5 V Combination wave: L-N: 250 V, L-G: 250 V, N-G: 0.5 V The measured rate of voltage rise/fall (dV/dt) of the remnant waveform is less THAN 10 V/ μ s with input test waveform dV/dt of 6k V/ μ s.
AC output receptacles	1 NEMA 5-15R
PHYSICAL	
Dimensions	5.5" (140 mm) wide [7" (177.8 mm wide w/mounting flange)] x 4" (102 mm) high x 8" (203 mm) deep
Weight lbs / kg	19 lbs (18.14 kg)
ENVIRONMENTAL	
Ambient temperature	0° to +40° C (32° to +104° F). 10 to 90 % relative humidity (non-condensing).
SAFETY	
Standards	Designed to conform to UL 60950-1
WARRANTY	
Warranty	Five (5) -year limited warranty, parts and labor.

TSi Products' ongoing product improvement process makes specifications subject to change. Other companies product names herein are for identification purposes only, and may be trademarks of their respective companies.

ILC-400-6070 system architecture



TSi POWER

1103 W Pierce Avenue
Antigo, WI 54409 USA

Tel: + 1-715-623-0636

Fax: + 1-715-623-2426

Toll-Free: 1-800-874-3160

email: sales@tsipower.com

Web: www.tsipower.com

