



# TransEnd 80

## TRANSEND 80 FEATURES AND BENEFITS

- Provides 80,000-amp per mode single-pulse surge current capacity (160,000 amps per phase)
- Protects facilities and equipment against the harmful effects of lightning strikes and internally generated electrical transients
- Fulfills the single-pulse surge current capacity testing recommendations per NEMA LS-1, 2.2.9 and 3.9
- Includes pre-wired pigtail conductors to streamline installation
- Features internal copper bus conduction path to minimize system impedances, reducing clamping voltage and increasing reliability
- 5-year warranty

## EMI / RFI NOISE REJECTION

### Filtering Attenuation Frequencies (L-N) w/ 6" Hook-Up Wire

Frequency	Noise Source	
	50 ft.	100 ft.
100kHz	-50 dB	-50 dB
1MHz	-34 dB	-39 dB
10MHz	-34 dB	-40 dB
100MHz	-47 dB	-53 dB

## MECHANICAL SPECIFICATIONS

Dimensions	7"H x 7"W x 5"D
Weight	12.7 lbs.
Enclosure Type	NEMA 4X fiberglass-reinforced polyester (FRP), surface-mount, non-removable cover
Operating Environment	-40°C to +60°C, 5% to 95% noncondensing humidity

## ELECTRICAL SPECIFICATIONS

Connection Method	Parallel
Protection Modes	L-N, L-G, N-G, L-L
Prewired	24" stranded #10 AWG pigtail conductors
Status Indicators	LEDs for each phase illuminate to indicate protection is active

## APPLICABLE STANDARDS

Safety Listing: UL 1449 2nd Edition 2005 Revision (effective 2/9/2007) and UL 1283  
NEMA LS-1, ANSI/IEEE C62.41  
ANSI/IEEE C62.1, ANSI/IEEE C62.45

## OPTIONS

**Dry Contacts:** Single Form "C" dry contacts for remote alarm monitoring are available as an option. To order a model with dry contacts, add suffix "-FCC" to the standard part number.

## FITTINGS

**Option A:** Metallic conduit installation kit has a 3/4" x 3" metallic nipple and all associated hardware required to complete the TransEnd installation.  
Part No. 300-0255-001 (order as a separate item)

**Option B:** Flexible plastic conduit installation kit, including 18" flexible conduit and all associated hardware required to complete the TransEnd installation.  
Part No. 300-0255-002 (order as a separate item)

Model Number	System Voltage	System Configuration	Protection Mode	UL Suppressed Voltage Ratings	
				MCOV	UL Suppressed Voltage Ratings
XN80-120/240-2G	120/240V	1-Phase 3-wire+grnd	L-N	150	400
			L-G	150	400
			L-L	300	700
			N-G	150	400
XN80-120/208-3GY	120/208V	3-Phase WYE 4-wire+grnd	L-N	150	400
			L-G	150	400
			L-L	300	700
			N-G	150	400
XN80-220/380-3GY	220/380V	3-Phase WYE 4-wire+grnd	L-N	275	700
			L-G	275	700
			L-L	550	1500
			N-G	275	700
XN80-277/480-3GY	277/480V	3-Phase WYE 4-wire+grnd	L-N	320	900
			L-G	320	900
			L-L	640	1800
			N-G	320	800
XN80-120/240-3GHD	120/240V	3-Phase High-Leg DELTA 4-wire+grnd	L-N	150	400
			H-N	275	800
			L-G	150	400
			H-G	275	800
			L-L	300	700
			H-L	425	1500
XN80-240-3DG	240V	3-Phase DELTA 3-wire+grnd	L-G	275	800
			L-L	300	800
XN80-380-3DG	380V	3-Phase DELTA 3-wire+grnd	L-G	420	1200
			L-L	550	1500
XN80-480-3DG	480V	3-Phase DELTA 3-wire+grnd	L-G	550	1500
			L-L	640	1800

All tests performed with 6" lead length, positive polarity. All voltages are peak values measured from the zero reference point.  
Specifications subject to change without notice.



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## Warranty Statement

### Standard Warranty

Current Technology warrants that your Current Technology surge protective device (the "Product"), shall meet applicable industry standards and specifications and be free from defects in materials and/or workmanship. Should any failure of the Product to conform to this warranty appear within the standard warranty period, Current Technology shall either repair or replace the defective Product, or part thereof, upon return to Current Technology manufacturing facility in Richmond, Virginia with transportation charges pre-paid. The applicable warranty period is outlined below in the warranty period section.

### MasterPlan® Extended Warranty

The warranty period is extended to twenty (20) years if the Product meets all of the following criteria:

- a) The product is purchased simultaneously with a Select 2 selenium-enhanced SL2-300, SL2-250 or SL2-200 suppression filter system and
- b) the product is installed simultaneously with a Select 2 selenium-enhanced SL2-300, SL2-250 or SL2-200 suppression filter system and
- c) the product is installed electrically downstream from a Select 2 selenium-enhanced SL2-300, SL2-250 or SL2-200 suppression filter system.

Current Technology shall have no liability under this warranty for any problems or defects directly or indirectly caused by misuse of the Product, alteration of the Product (including removal of any warning labels), accidents, or improper installation, application, operation, or repair of the Product.

The liability of Current Technology under this warranty is expressly limited to the replacement or repair of the defective part thereof, at Current Technology sole option.

IN NO EVENT SHALL CURRENT TECHNOLOGY BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND OR CHARACTER, NOR SHALL CURRENT TECHNOLOGY' LIABILITY EVER EXCEED THE PURCHASE PRICE PAID FOR SUCH DEFECTIVE PRODUCT.

This warranty is not transferable and may only be enforced by the sole purchaser. Claims under this warranty must be submitted to Current Technology within thirty (30) days of discovery of any Current Technology product defect.

### WARRANTY PERIOD

	Standard	MasterPlan®
Select2	20 Years	—
Select Compact	15 Years	20 Years
HPI	20 Years	20 Years
TransGuard	15 Years	20 Years
CurrentGuard Plus	15 Years	20 Years
CurrentGuard	10 Years	20 Years
CurrentGuard Compact	10 Years	20 Years
Electronic Grade Panelboards		
EGPE2	10 Years	20 Years
TransEnd	5 Years	20 Years
LoadGuard	5 Years	20 Years
Monitoring & Diagnostic Tools	5 Years	20 Years



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