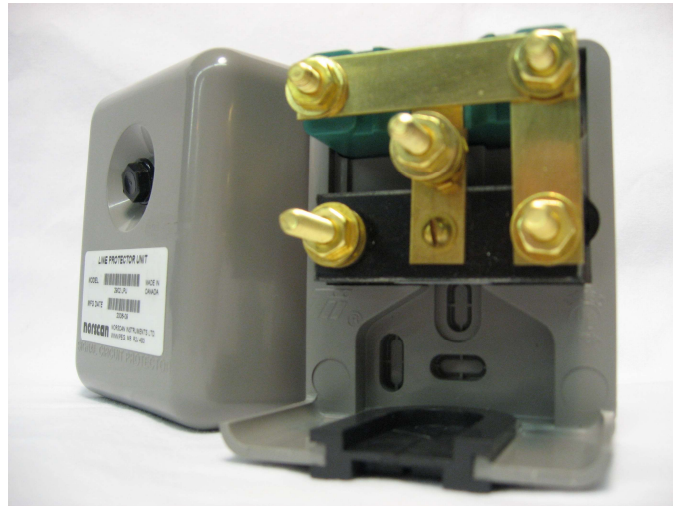


## 2902 Line Protection Unit



The 2902 Line Protection Unit (LPU) is an indoor rated Sheath Grounding Unit used in the cable vault or building entrance point to safely terminate cable armors. The LPU includes a bond bar which can be opened for isolating and testing. The LPU is a hybrid surge arrestor designed to provide high current protection and transient suppression. An LPU is typically used at the office equipment end of a monitored cable. An LPU can also be used at customer premises where the fiber cable armor is terminated

### Features

- Provides low impedance ground path for high transient voltages
- Automatically resets
- Maximum duty fail safe
- Test access for fault or cable locating

# Specifications

ITEM	QUANTITY/SPECIFICATION	NOTES
<b>Inputs</b>		
Capacitance	< 30 pF	Line to ground
<b>Protection</b>		
DC Breakdown Voltage	300 – 500 VDC	
Impulse Breakdown	500V (Typical) at 100 V/μsec 750V (Max)	
Impulse Current Rating	40,000 A	8x20 μs impulse, single cycle
AC Discharge Current 11 cycles, 60Hz	130 A rms	65A On Each Side to Ground Simultaneously
<b>Connections</b>		
Machine Screw Terminals	10-32	
<b>Physical</b>		
Dimensions	3.5 X 3 X 2.5 in. (8.9 cm x 7.6 cm x 6.4 cm)	
Weight	.5 lbs (.23 kg)	
<b>Environmental</b>		
Operating Temperature Range	-50°C to +85°C -58°F to +185°F	
<b>Model Number(s)</b>		
	2902 LPU	Line Protection Unit
	2920 LPU Module	Replaceable internal hybrid protection module

PROVIDES LOW IMPEDANCE GROUND PATH FOR HIGH TRANSIENT VOLTAGES

AUTOMATICALLY RESETS

MAXIMUM DUTY FAIL SAFE

TEST ACCESS FOR FAULT OR CABLE LOCATING

HYBRID SURGE SUPPRESSION CIRCUITRY

RATED FOR INDOR USE

For more information on any of our products or services, please visit us on the web at:  
[www.norscan.com](http://www.norscan.com)

10 Terracon Place  
WINNIPEG, MB R2J4G7  
P: 204.233.9138  
F: 204.233.9188  
SALES@NORSCAN.COM  
WWW.NORSCAN.COM

