

SuperCATTM Addressable Splitter



Description

The SuperCATTM Addressable Splitter is the answer to achieving a worry-free, all-weather, low-cost addressable cable network for Multiple Dwelling Unit (MDU), university, hospital, hotel, and other high-density applications. This switchable splitter permits system operators to instantly connect or disconnect subscribers and remotely manage premium tier services via Electroline's Control Unit and your existing billing system, for up to one million subscribers. A combination of internal and external filters may be used as required by the application. Electroline's outdoor/indoor Addressable Systems create dramatic reductions in truck rolls from high churn MDUs, overdue accounts, non-pay disconnects, and help control cable piracy. SuperCATTM can be combined with multiple units to control hundreds of subscribers per cable termination.

The SuperCATTM is part of Electroline's complete line of high-quality addressable products with several million ports in service worldwide and thousands of satisfied customers since 1983. It is by far, the most widely used off-premise system available. Electroline's Addressable product line also includes the Ultima 9-Inch tap, and custom single port taps for FTTH, hotel, and hospital applications.

Features

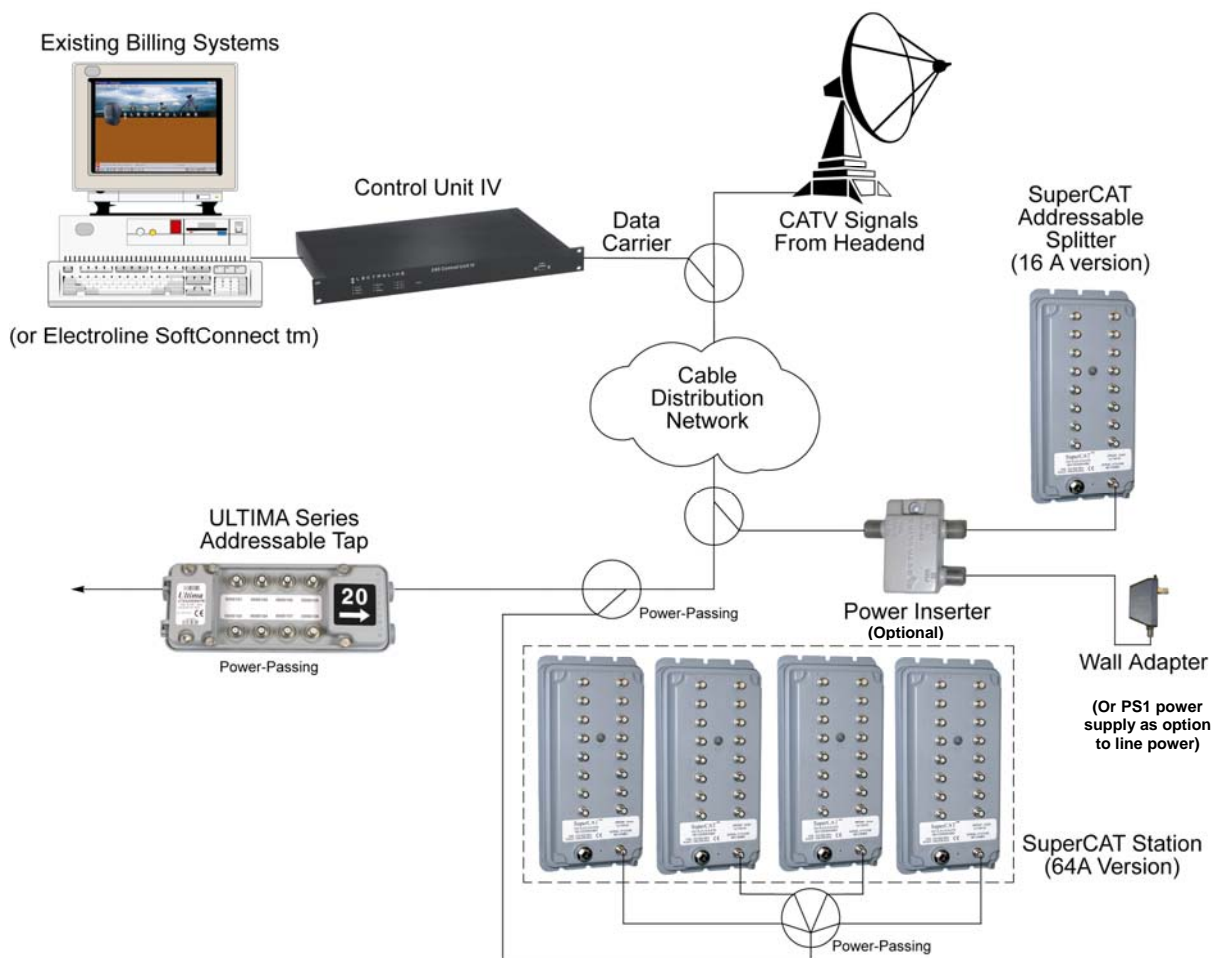
- Available in 4, 8, 12, or 16 port models. Can be configured to hundreds of ports with multiple units.
- Sealed for completely outdoor applications.
- Wall or Lock Box installation.
- Bandwidth: 5 to 1002 MHz.
- Transparent to any video compression, modulation, or scrambling.
- Remarkably low power consumption over wide range (30-90 V QSW; 11-90VDC).
- One-tier (on/off) and two-tier control (full service/basic/off) Configurable for up to four tiers of services.
- Tiering Filters installed internally for two tier systems, externally for added tiers.
- Uses Electroline's proven addressable control protocol.
- Powered through RF input port.
- Status LED for Power and Data Carrier.
- FSK Frequency ranges 46-78, 72-120, 108-162MHz.
- Interfaces with most popular billing systems.

Three types of units are available: SuperCAT-A which is one-tier (on-off only), SuperCAT-B, which is two-tier, having space for an internal filter, and SuperCAT-2B, which is two-tier along with an input for external filters, and can be combined with other SuperCAT-2B units for 3-tier and 4-tier systems.

When configured as an optional SuperCATTM Station, units are installed at the factory on a back panel, complete with filters, providing from 20 to 64 ports in increments of 4. For greater than 64 port stations, contact your Electroline representative.

SuperCATTM is frequency-agile, and can automatically search for an available FSK control frequency within one of three pre-selected control frequency ranges.

The Electroline Headend Control Unit (CU IV) interfaces directly to most popular billing systems or can be controlled by Electroline's SoftConnectTM software. This completely scalable system is perfect proven and cost-effective solution for effective subscriber management and incremental revenue enablement.



	Model	Insertion Loss		ON/OFF Isolation			Return Loss		Tap-Tap Isolation	
		50 MHz	1002 MHz	5-550MHz	551-850MHz	851-1002MHz	15-700MHz	701-1002MHz	15-65MHz	66-1002MHz
SuperCAT A	4A	7.4 ± 0.5	10.2 ± 2.0	60	50	45	18	16	30	25
	8A	10.6 ± 0.5	13.8 ± 2.0	60	50	45	18	16	30	25
	12A	12.6 ± 0.5	16.7 ± 2.0	60	50	45	18	16	30	25
	16A	13.9 ± 0.5	17.6 ± 2.0	60	50	45	18	16	30	25
SuperCAT B	4B	10.5 ± 0.5	13.2 ± 2.0	60	50	45	18	16	30	25
	8B	13.8 ± 0.5	16.5 ± 2.0	60	50	45	18	16	30	25
	12B	15.8 ± 1.0	19.5 ± 2.5	60	50	45	18	16	30	25
	16B	17.1 ± 1.0	20.4 ± 2.5	60	50	45	18	16	30	25
SuperCAT 2B	2-4B	7.1 ± 1.0	9.3 ± 2.5	60	50	45	18	16	30	25
	2-8B	10.3 ± 1.0	12.6 ± 2.5	60	50	45	18	16	30	25
	2-12B	12.3 ± 1.0	15.4 ± 2.5	60	50	45	18	16	30	25
	2-16B	13.5 ± 1.0	16.3 ± 2.5	60	50	45	18	16	30	25
3 & 4 tier	Contact your Electroline representative									

Operating temperature range	-40°C to +60°C / -40°F to +140°F	
RFI	120 dB	
Surge Protection	All ports	
	Ring wave, 6 kV; IEEE C62.41-1991 cat B3	
	Combination wave, 6 kV; IEEE C62.41:1991 cat A3	
ESD Protection, All ports	Air; 8kV, Contact; 4kV	
	CEI801-2:1991 Compliant	
Power consumption	30-90 QSW	
	30-90 Sinus	
	11-90 Vdc	
Physical dimension	(Low profile version)	287.6 mm x 138 mm x 58.952 mm; 11.32" x 5.43" x 2.32"
	(Standard version)	287.6mm x 138 mm x 74.7 mm; 11.32" x 5.43" x 2.94"
Weight	2.0 kg / 5.0 pounds	

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