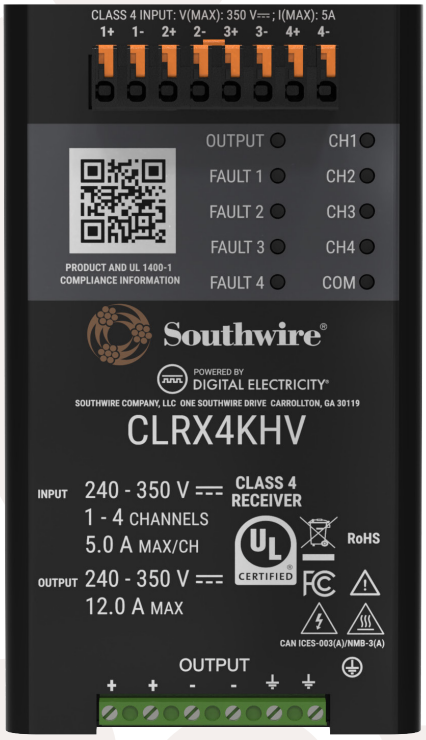
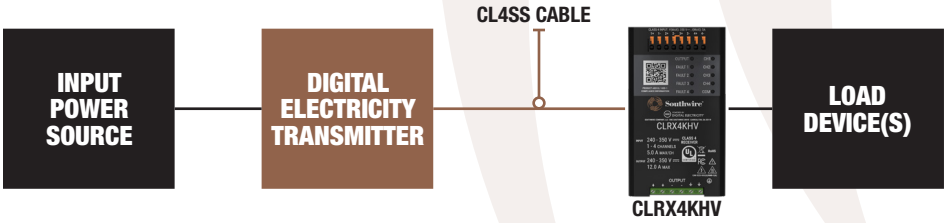
Southwire

CABLETECH SUPPORT™ Services

DIGITAL ELECTRICITY® RECEIVER, 4000 W, HVDC OUTPUT

The CLRX4KHV Receiver is a component in a Digital Electricity® line powering system. When the receiver is powered by a compatible Southwire transmitter, a Digital Electricity® (DE) system is formed (see diagram). If a fault occurs on the DE line between the transmitter and receiver (such as a person contacting the conductors) power is disconnected; reducing the risk of fire, equipment damage and personal injury. The Transmitter is part of a listed Class 4 system. The circuit between the transmitter and receiver is a Fault Managed Power (FMP) circuit and should be installed as a Class 4 circuit according to NFPA 70 Article 726.





MODEL	DESCRIPTION
CLRX4KHV	CL4SS RX,500w 56vdc Indoor

BUILT FOR DURABILITY. BUILT FOR RELIABILITY. BUILT FOR WORK.™

770-832-5756 | SOUTHWIRE.COM

©2026 Southwire Company, LLC. All rights reserved.
*Registered Trademark & ™Trademark of Southwire Company, LLC.

Southwire

CABLETECH SUPPORT™ Services

SPECIFICATIONS

TYPE	PARAMETER	SPECIFICATIONS	NOTES
INPUT	Voltage	240-350 Vdc	Must be supplied by listed Southwire transmitter shelf.
	Number of Channels	4	
	Current Per Input Channel	5.0 A Max	
	Current, Total	12.0 A Max	
	Input Wiring Size	12-18 AWG	
OUTPUT	Voltage	240-350 Vdc	
	Number of Ports	2	Each port has 2 connections (+ / -).
	Current Per Output Port	12.0 A Max	
	Current, Total	12.0 A Max	
	Output Wiring Size	12-18 AWG	14 AWG minimum if running full load on a single pair.
ENVIRONMENT	Operating Temperature	-40 °C (-40°F) to 70°C (158°F)	Cold Start limited to -20°C (-4°F).
	Altitude	Up to 2000 m	
MECHANICAL	Dimensions	7.00" x 4.02" x 3.55" (177.80 mm x 102.01 mm x 90.11 mm)	
	Weight	2.132 lbs	
APPROVALS	Safety	UL 1400-1 UL 62368-1 EN IEC 62368-1 CAN/CSA-C22.2 No. 62368-1	*Evaluated as part of a FMP system by Underwriters Laboratories.
	EMC	FCCPart 15 Subpart B Class A ICES-003 Class A EN 55032 Class A EN 300 386 (telecom immunity) EN 55035 EN 50121-4 (rail immunity)	
	Other	CE, RoHS, WEEE, UKCA	
BOX CONTENT	Hardware Kit (Included)	(1) 8 Position Terminal Block Plug, P/N: 8000078359 (1) #6 Ring Terminal, 14-16 AWG, P/N: 7113K23 (1) 6-32, 1/4", internal-tooth lock washer, P/N: 95345A043	

BUILT FOR DURABILITY.
BUILT FOR RELIABILITY.
BUILT FOR WORK.™

770-832-5756 | SOUTHWIRE.COM

©2026 Southwire Company, LLC. All rights reserved.
*Registered Trademark & ™Trademark of Southwire Company, LLC.