

Legacy SEL-2431

Single-Phase Voltage Regulator Control, Two 120 Vac Voltage Inputs, Eight Contact Inputs (Two 120 Vac Programmable, Four 12 Vdc Self-Whetted Programmable, and Two Dedicated), Seven Contact Outputs (Four Programmable and Three Dedicated), Front Panel EIA-232 Port, Standard with ACSELEATOR QuickSet® SEL-5030 Software⁽¹⁾

Part Number:

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Firmware

Standard - Voltage Regulator Control with Forward/Reverse Operating Modes, Line Drop Compensation, SELogic Programming, Metering, Event Reporting, SER, Load Profiling, Synchrophasors and Load Sense Technology

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Power Supply

Standard - 120 Vac, 50/60 Hz

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Manual Raise/Lower Operators

Pushbutton Raise/Lower Operators⁽²⁾

										1									
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Toggle Switch Raise/Lower Operators

										2									
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Communications Port (Port 1)⁽³⁾

None

										X	X								
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EIA-232

										1									
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EIA-485 (4-wire)

										2									
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Fiber Optic, 200µm, Multimode, VPIN Style Connector⁽⁴⁾

										3									
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Fiber Optic, 62.5µm, Multimode, ST Style Connector⁽⁴⁾

										4									
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EIA-485 (2-wire)

										5									
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Communications Port (Port 2)⁽³⁾

None

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EIA-232*

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EIA-485 (4-wire)*

										2									
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Fiber Optic, 200µm, Multimode, VPIN Style Connector^{(4)*}

										3									
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Fiber Optic, 62.5µm, Multimode, ST Style Connector^{(4)*}

										4									
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EIA-485 (2-wire)*

										5									
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Conformal Coat

None

														X					
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Conformal Coated Circuit Boards*

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Retrofit Kits⁽⁸⁾

None

														X	X				
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Siemens/Allis-Chalmers: 10-Position Polarized Disconnect Switch (PDS) Interface^{(5)*}

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	Generic Fork Terminals for Cooper/McGraw-Edison (Does not Include Mounting Hardware) ^{(9)*}	9 2 5 3 0 5 5
Mounting Hardware Kits		
	Siemens/Allis-Chalmers Mounting Hardware Kit*	9 2 5 3 0 5 9
	Howard Mounting Hardware Kit*	9 2 5 3 0 6 0
	Cooper/McGraw-Edison Mounting Hardware Kit*	9 2 5 3 0 5 8
	GE Mounting Hardware Kit*	9 2 5 3 0 5 7
Other Accessories		
	SEL-3022 Wireless Encrypting Transceiver Accessory Kit ^{(6)*}	9 2 5 3 0 5 0
	SEL-2401 Satellite-Synchronized Clock Accessory Kit ^{(7)*}	9 2 5 3 0 5 1
	Replacement Fuse Kit*	9 2 5 3 0 5 2
	SEL-2431 Configurable Labels Kit*	9 2 6 0 0 3 4
Communications		
	EIA-232 Communications Card Kit*	9 2 5 3 0 4 0
	EIA-232 Communications Card Kit with Conformal Coating*	9 2 5 3 0 4 0 C
	EIA-485 (4-wire) Communications Card Kit*	9 2 5 3 0 4 1
	EIA-485 (4-wire) Communications Card Kit with Conformal Coating*	9 2 5 3 0 4 1 C
	Fiber-Optic, 200µm, Multimode, VPIN Communications Card Kit*	9 2 5 3 0 4 2
	Fiber-Optic, 200µm, Multimode, VPIN Communications Card Kit with Conformal Coating*	9 2 5 3 0 4 2 C
	Fiber-Optic, 62.5µm, Multimode, ST Communications Card Kit*	9 2 5 3 0 4 3
	Fiber-Optic, 62.5µm, Multimode, ST Communications Card Kit with Conformal Coating*	9 2 5 3 0 4 3 C
	EIA-485 (2-wire) Communications Card Kit*	9 2 5 3 0 4 4

	EIA-485 (2-wire) Communications Card Kit with Conformal Coating*	9 2 5 3 0 4 4 C
	EIA-485 DB9 to 4-Position Compression Terminal Block Adapter (2-wire 485)*	C 6 7 7
	EIA-485 DB9 to 8-Position Compression Terminal Block Adapter (4-wire 485)*	C 6 7 8
Literature		
	Printed Instruction Manual ⁽¹⁰⁾	P M 2 4 3 1 - 0 1

* Additional Cost

⁽¹⁾ Download acSELEATOR QuickSet SEL-5030 software for free at <https://www.selinc.com/software/solutions/>. acSELEATOR QuickSet on CD (503001WX4) is available upon request.

⁽²⁾ Membrane Raise/Lower Pushbuttons do not provide manual operation when control power is lost.

⁽³⁾ All Serial Communications Ports include SEL-ASCII, SEL Compressed ASCII, Fast Meter, Fast Operate, and DNP3 Level 2 Slave protocols.

⁽⁴⁾ The optional VPIN style fiber-optic communication port is compatible with SEL-2800 and SEL-2810 Fiber-Optic Transceiver/Modems. The optional ST style fiber-optic communication port is compatible with the SEL-2812 Fiber-Optic Transceiver/Modem.

⁽⁵⁾ Includes mounting hardware (hinges and latch), and all necessary wiring harnesses (including PDS, CTS, Fanning Strip, or other applicable enclosure connector for mating with existing voltage regulator interfaces).

⁽⁶⁾ The SEL-3022 requires an EIA-232 port for communication.

⁽⁷⁾ The SEL-2401 requires an EIA-232 or EIA-485 (2-wire) card in Port 1 for IRIG-B.

⁽⁸⁾ The SEL-2431 supports the following Single Phase Voltage Regulators:

- Siemens/Allis-Chalmers or Howard Type A with both a source and a load side PT.
- Siemens/Allis-Chalmers Type A Single Phase Voltage Regulator with only a source side PT.
- General Electric or Cooper/McGraw Edison Type A.
- Siemens/Allis-Chalmers, General Electric, Howard, or Cooper/McGraw Edison Type B.

⁽⁹⁾ Does not include mounting hardware (hinges and latch). Includes wiring harness only. If mounting hardware is required, select appropriate kit from Accessories.

⁽¹⁰⁾ The SEL-2431 comes standard with a CD manual. One complimentary printed instruction manual is available upon request with each product purchased.

Making Electric Power Safer, More Reliable, and More Economical®

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