

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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USB Interface

None

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Type A USB Flash Drive Interface

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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⁾

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Toggle Switch Raise/Lower Operators

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Communications Port (Port 1)

None

														X						
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EIA-232⁽³⁾

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EIA-485 (4-wire)⁽³⁾

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Fiber Optic, 200µm, Multimode, VPIN Style Connector⁽³⁾⁽⁴⁾

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

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EIA-485 (2-wire)⁽¹¹⁾

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Communications Port (Port 2)

None (Future Serial Compatible)

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None (Future Ethernet Compatible)

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EIA-232^{(3)*}

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EIA-485 (4-wire)^{(3)*}

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Fiber Optic, 200µm, Multimode, VPIN Style Connector^{(3)(4)*}

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

														4						
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EIA-485 (2-wire)^{(11)*}

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Two 100BASE-FX Multimode Fiber^{(12)*}

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Two 10/100BASE-T Copper^{(13)*}

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One 10/100BASE-T Copper⁽¹³⁾, One 100BASE-FX Multimode Fiber^{(12)*}

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Two 100BASE-LX Single-Mode Fiber^{(12)*}

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One 10/100BASE-T Copper⁽¹³⁾, One 100BASE-LX Single-Mode Fiber^{(12)*}

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	Generic Fork Terminals for Siemens/Allis-Chalmers/Howard/GE (Does not Include Mounting Hardware) ^{(9)*}	9 2 5 3 0 0 1
	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-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
	Industrial Temperature-Rated USB Flash Drive, 1 GB*	9 2 5 3 0 6 2
	SEL-2431 Surge-Suppression Accessory*	9 1 5 9 0 0 4 5 5
Communications		
	EIA-232 Communications Card Kit ^{(3)*}	9 2 5 3 0 4 0
	EIA-232 Communications Card Kit with Conformal Coating ^{(3)*}	9 2 5 3 0 4 0 C
	EIA-485 (4-wire) Communications Card Kit ^{(3)*}	9 2 5 3 0 4 1
	EIA-485 (4-wire) Communications Card Kit with Conformal Coating ^{(3)*}	9 2 5 3 0 4 1 C
	Fiber-Optic, 200µm, Multimode, VPIN Communications Card Kit ^{(3)*}	9 2 5 3 0 4 2
	Fiber-Optic, 200µm, Multimode, VPIN Communications Card Kit with Conformal Coating ^{(3)*}	9 2 5 3 0 4 2 C

Fiber-Optic, 62.5µm, Multimode, ST Communications Card Kit ^{(3)*}	9 2 5 3 0 4 3
Fiber-Optic, 62.5µm, Multimode, ST Communications Card Kit with Conformal Coating ^{(3)*}	9 2 5 3 0 4 3 C
EIA-485 (2-wire) Communications Card Kit ^{(11)*}	9 2 5 3 0 4 4
EIA-485 (2-wire) Communications Card Kit with Conformal Coating ^{(11)*}	9 2 5 3 0 4 4 C
Ethernet Card Kit (Two 10/100BASE-T Copper ^{(13)*})	9 2 5 3 0 6 3
Ethernet Card Kit (Two 10/100BASE-T Copper ⁽¹³⁾ , Conformal Coat)*	9 2 5 3 0 6 3 C
Ethernet Card Kit (One 10/100BASE-T Copper ⁽¹³⁾ , One 100BASE-FX Multimode Fiber ^{(12)*})	9 2 5 3 0 6 4
Ethernet Card Kit (One 10/100BASE-T Copper ⁽¹³⁾ , One 100BASE-FX Multimode Fiber ⁽¹²⁾ , Conformal Coat)*	9 2 5 3 0 6 4 C
Ethernet Card Kit (One 10/100BASE-T Copper ⁽¹³⁾ , One 100BASE-LX Single-Mode Fiber ^{(12)*})	9 2 5 3 0 6 5
Ethernet Card Kit (One 10/100BASE-T Copper ⁽¹³⁾ , One 100BASE-LX Single-Mode Fiber ⁽¹²⁾ , Conformal Coat)*	9 2 5 3 0 6 5 C
Ethernet Card Kit (Two 100BASE-FX Multimode ^{(12)*})	9 2 5 3 0 6 6
Ethernet Card Kit (Two 100BASE-FX Multimode ⁽¹²⁾ , Conformal Coat)*	9 2 5 3 0 6 6 C
Ethernet Card Kit (Two 100BASE-LX Single-Mode Fiber ^{(12)*})	9 2 5 3 0 6 7
Ethernet Card Kit (Two 100BASE-LX Single-Mode Fiber ⁽¹²⁾ , Conformal Coat)*	9 2 5 3 0 6 7 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⁾ Communication Port includes SEL-ASCII, SEL Compressed ASCII, Fast Meter, Fast Operate, PMU, 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).

⁽⁷⁾ The SEL-2401 requires an EIA-232 or EIA-485 (4-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.

⁽¹¹⁾ Communication Port includes: DNP3 Level 2 Slave protocol.

⁽¹²⁾ Fiber Ethernet ports use LC connectors. 100BASE-FX is capable of up to 2 km distance. 100BASE-LX is capable of up to 10 km distance.

⁽¹³⁾ Copper Ethernet ports use RJ45 connectors and are capable of up to 100 m distance.

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

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