SEL-2411-1

Surface Mount Programmable Automation Controller

- Chassis
- Front Panel
  - LCD Display
  - 4 Programmable Pushbuttons w/LEDs
  - 6 Programmable LEDs
  - Operator Control Interface
  - EIA-232 Port
- Processor and Communications Board
  - EIA-232 Port
  - IRIG-B Time Code Input
- Power Supply with 2 DI, 3 DO
- Optional I/O Cards

Part Number: 2 4 1 1 1

Slot A

Power Supply 125/250 Vdc/Vac	24 Vdc/Vac Digital Input						1	B													
	48 Vdc/Vac Digital Input						1	C													
	110 Vdc/Vac Digital Input						1	D													
	125 Vdc/Vac Digital Input						1	A													
	220 Vdc/Vac Digital Input						1	G													
	250 Vdc/Vac Digital Input						1	H													
Power Supply 24/48 Vdc	24 Vdc/Vac Digital Input						2	B													
	48 Vdc/Vac Digital Input						2	C													
	110 Vdc/Vac Digital Input						2	D													
	125 Vdc/Vac Digital Input						2	A													
	220 Vdc/Vac Digital Input						2	G													
	250 Vdc/Vac Digital Input						2	H													

Slot C

No Card	Empty								0	X											
Serial Communication Card*									A	0											
		4 DI and 4 EM DO																			
4 Digital Input / 4 Digital Output(1)	24 Vdc/Vac DI*								1	B											
	48 Vdc/Vac DI*								1	C											
	110 Vdc/Vac DI*								1	D											
	125 Vdc/Vac DI*								1	A											
	220 Vdc/Vac DI*								1	G											
	250 Vdc/Vac DI*								1	H											
		4 DI and 4 Fast HC Interrupting DO																			
	24 Vdc/Vac DI*								B	B											
	48 Vdc/Vac DI*								B	C											
	110 Vdc/Vac DI*								B	D											
	125 Vdc/Vac DI*								B	A											

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	220 Vdc/Vac DI*								B	G											
	250 Vdc/Vac DI*								B	H											
4 Digital Input and 3 Electromechanical Digital Output (2 Form C and 1 Form B)	24 Vdc/Vac DI*								C	B											
	48 Vdc/Vac DI*								C	C											
	110 Vdc/Vac DI*								C	D											
	125 Vdc/Vac DI*								C	A											
	220 Vdc/Vac DI*								C	G											
	250 Vdc/Vac DI*								C	H											
8 Digital Output(1)	Electromechanical DO*								2	X											
8 Digital Input	24 Vdc/Vac*								3	B											
	48 Vdc/Vac*								3	C											
	110 Vdc/Vac*								3	D											
	125 Vdc/Vac*								3	A											
	220 Vdc/Vac*								3	G											
	250 Vdc/Vac*								3	H											
8 Analog Input	8 Inputs: ±20 mA or ±10 V Jumper Selectable*								5	X											
	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Inputs: ±300 V Only*								5	2											
4 Analog Input / 4 Analog Output(2)	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Outputs*								6	X											

Slot D

No Card	Empty										0	X									
10 RTD Input	RTD Analog Input*										9	X									
		4 DI and 4 EM DO																			
4 Digital Input / 4 Digital Output(1)	24 Vdc/Vac DI*										1	B									
	48 Vdc/Vac DI*										1	C									
	110 Vdc/Vac DI*										1	D									
	125 Vdc/Vac DI*										1	A									
	220 Vdc/Vac DI*										1	G									
	250 Vdc/Vac DI*										1	H									
		4 DI and 4 Fast HC Interrupting DO																			
	24 Vdc/Vac DI*										B	B									
	48 Vdc/Vac DI*										B	C									
	110 Vdc/Vac DI*										B	D									
	125 Vdc/Vac DI*										B	A									
	220 Vdc/Vac DI*										B	G									
	250 Vdc/Vac DI*										B	H									
4 Digital Input and 3 Electromechanical Digital Output (2 Form C and 1 Form B)	24 Vdc/Vac DI*										C	B									

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	48 Vdc/Vac DI*										C	C									
	110 Vdc/Vac DI*										C	D									
	125 Vdc/Vac DI*										C	A									
	220 Vdc/Vac DI*										C	G									
	250 Vdc/Vac DI*										C	H									
8 Digital Output(1)	Electromechanical DO*										2	X									
8 Digital Input	24 Vdc/Vac*										3	B									
	48 Vdc/Vac*										3	C									
	110 Vdc/Vac*										3	D									
	125 Vdc/Vac*										3	A									
	220 Vdc/Vac*										3	G									
	250 Vdc/Vac*										3	H									
8 Analog Input	8 Inputs: ±20 mA or ±10 V Jumper Selectable*										5	X									
	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Inputs: ±300 V Only*										5	2									
4 Analog Input / 4 Analog Output(2)	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Outputs*										6	X									

Slot E

No Card	Empty												0	X							
3 AC Voltage Input	300 Vac Maximum*												7	1							
3 AC Current / 3 AC Voltage Input	8 Vac Maximum, 5A Phase*												7	3							
	300 Vac Maximum, 5A Phase*												7	4							
		4 DI and 4 EM DO																			
4 Digital Input / 4 Digital Output(1)	24 Vdc/Vac DI*												1	B							
	48 Vdc/Vac DI*												1	C							
	110 Vdc/Vac DI*												1	D							
	125 Vdc/Vac DI*												1	A							
	220 Vdc/Vac DI*												1	G							
	250 Vdc/Vac DI*												1	H							
		4 DI and 4 Fast HC Interrupting DO																			
	24 Vdc/Vac DI*												B	B							
	48 Vdc/Vac DI*												B	C							
	110 Vdc/Vac DI*												B	D							
	125 Vdc/Vac DI*												B	A							
	220 Vdc/Vac DI*												B	G							
	250 Vdc/Vac DI*												B	H							
4 Digital Input and 3 Electromechanical Digital Output (2 Form C and 1 Form B)	24 Vdc/Vac DI*												C	B							
	48 Vdc/Vac DI*												C	C							
	110 Vdc/Vac DI*												C	D							

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	125 Vdc/Vac DI*													C	A								
	220 Vdc/Vac DI*													C	G								
	250 Vdc/Vac DI*													C	H								
8 Digital Output(1)	Electromechanical DO*													2	X								
8 Digital Input	24 Vdc/Vac*													3	B								
	48 Vdc/Vac*													3	C								
	110 Vdc/Vac*													3	D								
	125 Vdc/Vac*													3	A								
	220 Vdc/Vac*													3	G								
	250 Vdc/Vac*													3	H								
8 Analog Input	8 Inputs: ±20 mA or ±10 V Jumper Selectable*													5	X								
	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Inputs: ±300 V Only*													5	2								
4 Analog Input / 4 Analog Output(2)	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Outputs*													6	X								

Slot Z

No Card	Empty															0	X						
4 AC Current Input	1 Amp Phase, 1 Amp Neutral*															8	1						
	1 Amp Phase, 5 Amp Neutral*															8	2						
	5 Amp Phase, 5 Amp Neutral*															8	5						
	5 Amp Phase, 1 Amp Neutral*															8	6						
		4 DI and 4 EM DO																					
4 Digital Input / 4 Digital Output(1)	24 Vdc/Vac DI*															1	B						
	48 Vdc/Vac DI*															1	C						
	110 Vdc/Vac DI*															1	D						
	125 Vdc/Vac DI*															1	A						
	220 Vdc/Vac DI*															1	G						
	250 Vdc/Vac DI*															1	H						
		4 DI and 4 Fast HC Interrupting DO																					
	24 Vdc/Vac DI*															B	B						
	48 Vdc/Vac DI*															B	C						
	110 Vdc/Vac DI*															B	D						
	125 Vdc/Vac DI*															B	A						
	220 Vdc/Vac DI*															B	G						
	250 Vdc/Vac DI*															B	H						
4 Digital Input and 3 Electromechanical Digital Output (2 Form C and 1 Form B)	24 Vdc/Vac DI*															C	B						
	48 Vdc/Vac DI*															C	C						
	110 Vdc/Vac DI*															C	D						

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	125 Vdc/Vac DI*	C A
	220 Vdc/Vac DI*	C G
	250 Vdc/Vac DI*	C H
8 Digital Output(1)	Electromechanical DO*	2 X
8 Digital Input	24 Vdc/Vac*	3 B
	48 Vdc/Vac*	3 C
	110 Vdc/Vac*	3 D
	125 Vdc/Vac*	3 A
	220 Vdc/Vac*	3 G
	250 Vdc/Vac*	3 H
8 Analog Input	8 Inputs: ±20 mA or ±10 V Jumper Selectable*	5 X
	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Inputs: ±300 V Only*	5 2
4 Analog Input / 4 Analog Output(2)	4 Inputs: ±20 mA or ±10 V Jumper Selectable 4 Outputs*	6 X

Slot B

		Standard
Processor Board	EIA-232 Front/Rear, SEL ASCII, Compressed ASCII, Fast Meter, Fast Operate, Modbus RTU	0 0 0
	Previous Option Plus DNP3 *	0 0 3
		Fiber-Optic
	Fiber-Optic Serial Port Multimode ST*	1 0 0
	Previous Option Plus DNP3*	1 0 3
		Ethernet
	Single 10/100BASE-T Ethernet, Modbus TCP*	0 1 0
	Previous Option Plus DNP3, DNP3 LAN/WAN*	0 1 3
	Previous Option Plus IEC 61850*	0 1 4
	Dual 10/100BASE-T Ethernet, Modbus TCP (3)*	0 6 0
	Previous Option Plus DNP3, DNP3 LAN/WAN(3)*	0 6 3
	Previous Option Plus IEC 61850(3)*	0 6 4
	Single 100BASE-FX Ethernet, Modbus TCP (3)*	0 4 0
	Previous Option Plus DNP3, DNP3 LAN/WAN(3)*	0 4 3

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	Previous Option Plus IEC 61850(3)*	0 4 4
	Dual 100BASE-FX Ethernet, Modbus TCP (2, 3)*	0 8 0
	Previous Option Plus DNP3, DNP3 LAN/WAN(2, 3)*	0 8 3
	Previous Option Plus IEC 61850(2, 3)*	0 8 4
	Fiber-Optic and Ethernet	
	Single 10/100BASE-T Ethernet, Fiber-Optic Serial Port Multimode ST, Modbus TCP*	1 1 0
	Previous Option Plus DNP3, DNP3 LAN/WAN*	1 1 3
	Previous Option Plus IEC 61850*	1 1 4
	Dual 10/100BASE-T Ethernet, Fiber-Optic Serial Port Multimode ST, Modbus TCP(3)*	1 6 0
	Previous Option Plus DNP3, DNP3 LAN/WAN(3)*	1 6 3
	Previous Option Plus IEC 61850(3)*	1 6 4
	Single 100BASE-FX Ethernet, Fiber-Optic Serial Port Multimode ST, Modbus TCP(3)*	1 4 0
	Previous Option Plus DNP3, DNP3 LAN/WAN(3)*	1 4 3
	Previous Option Plus IEC 61850(3)*	1 4 4
	Dual 100BASE-FX Ethernet, Fiber-Optic Serial Port Multimode ST, Modbus TCP(2, 3)*	1 8 0
	Previous Option Plus DNP3, DNP3 LAN/WAN(2, 3)*	1 8 3
	Previous Option Plus IEC 61850(2, 3)*	1 8 4

Conformal Coat

None	0
Conformal Coated Circuit Boards*	1

* Additional Cost

(1) Unless otherwise specified, all digital outputs are Form A.

(2) Only one (1) 4 AI / 4 AO card per chassis.

(3) IRIG only available through serial connection (i.e., no dedicated IRIG connector).

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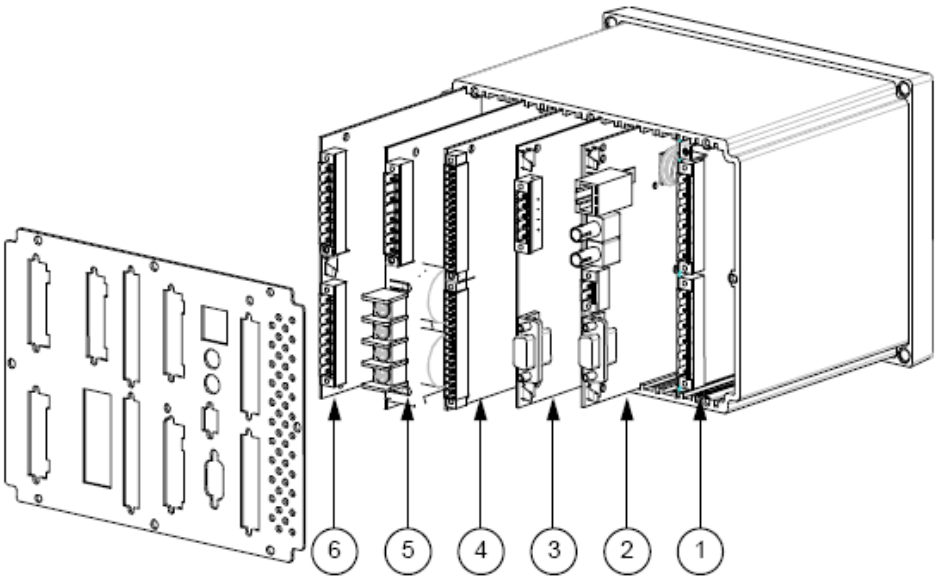
ACCESSORIES:
1. acSELerator QuickSet SEL-5030 software (www.selinc.com/software.htm) or on CD upon request.
2. Comes standard with a CD instruction manual or printed instruction manual upon request.
3. External AC powered RTD module SEL-2600A.
4. External DC powered RTD module SEL-2600D.
5. Option cards are orderable separately for field installation, contact your SEL representative and reference the SELect I/O Card guide on the web (WI-5932).
6. Replacement rear panel cover plate options, contact your SEL representative.
7. Mounting Accessories, including adapter plates, (www.selinc.com/MountingAccessories/).

Chassis Card Slot Configuration



① SELect Power Supply Card with I/O (Slot A)
② SELect Processor and Communications Card (Slot B)
③ SELect I/O Expansion Card (Slot C)
④ SELect I/O Expansion Card (Slot D)
⑤ SELect I/O Expansion Card (Slot E)
⑥ SELect I/O Expansion Card (Slot Z)

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

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