

# SElect I/O Cards

Part Numbers for the I/O Family of Cards Used in the SEL-710, SEL-749M, SEL-751A, SEL-787, SEL-2411, and SEL-2414



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## Ordering Information

Reference the following work instructions for ordering information on the products listed below:

Work Instruction	Product SElect I/O Cards
WI-11297	SEL-710-5
WI-12174	SEL-787-2, -3, -4
WI-12625	SEL-751
WI-16209	SEL-700G

## 8 Digital Input (SElect 8 DI)

### Product Compatibility

	SEL-710*	SEL-749M**	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>Digital Input Voltage</b>	<b>Part Number</b>					
125 Vdc/Vac	9737L3A_(1)	9755L8A_(1)	9760L3A_(1)	9760L3A_(1)	9760L3A_(1)	9760L3A_(1)
24 Vdc/Vac	9737L3B_(1)	9755L8B_(1)	9760L3B_(1)	9760L3B_(1)	9760L3B_(1)	9760L3B_(1)
48 Vdc/Vac	9737L3C_(1)	9755L8C_(1)	9760L3C_(1)	9760L3C_(1)	9760L3C_(1)	9760L3C_(1)
110 Vdc/Vac	9737L3D_(1)	9755L8D_(1)	9760L3D_(1)	9760L3D_(1)	9760L3D_(1)	9760L3D_(1)
220 Vdc/Vac	9737L3G_(1)	9755L8G_(1)	9760L3G_(1)	9760L3G_(1)	9760L3G_(1)	9760L3G_(1)
250 Vdc/Vac	9737L3H_(1)	9755L8H_(1)	9760L3H_(1)	9760L3H_(1)	9760L3H_(1)	9760L3H_(1)

\* Note: Requires R300 or higher firmware revision in the 710

\*\* Note: Requires R105 or higher firmware revision in the 749M. These card kits do not contain a rear panel. Please also order 9777L400 rear panel in addition to these kits.

## 8 Digital Output (SElect 8 DO)

### Product Compatibility

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>Output Type</b>	<b>Part Number</b>					
8 Form A Electromechanical DO					9761L2X_(1)	9761L2X_(1)
8 Form B Electromechanical DO					9761L2A_(1)	9761L2A_(1)
6 Form A and 2 Form B Electromechanical DO					9761L2B_(1)	9761L2B_(1)
6 Form B and 2 Form A Electromechanical DO					9761L2C_(1)	9761L2C_(1)

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

#### 14 Digital Input (SElect 14 DI)

#### Product Compatibility

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411**	SEL-2414***
<b>Digital Input Voltage</b>	<b>Part Number</b>					
125 Vdc/Vac					9775L4A_(1)	9775L4A_(1)
24 Vdc/Vac					9775L4B_(1)	9775L4B_(1)
48 Vdc/Vac					9775L4C_(1)	9775L4C_(1)
110 Vdc/Vac					9775L4D_(1)	9775L4D_(1)
220 Vdc/Vac					9775L4G_(1)	9775L4G_(1)
250 Vdc/Vac					9775L4H_(1)	9775L4H_(1)
* Note: Slots C, D or E. ** Note: Requires R318 or higher firmware revision in the 2411. *** Note: Requires R400 or higher firmware revision in the 2414.						

#### 4 Digital Input / 3 Digital Output (2 Form C and 1 Form B) (SElect 4 DI / 3 DO)

#### Product Compatibility

	SEL-710***	SEL-749M	SEL-751A****	SEL-787*****	SEL-2411*	SEL-2414**
<b>Digital Input Voltage, Output Type</b>	<b>Part Number</b>					
125 Vdc/Vac DI, Electromechanical DO	9744LDA_(1)		9773LCA_(1)	9773LCA_(1)	9773LCA_(1)	9773LCA_(1)
24 Vdc/Vac DI, Electromechanical DO	9744LDB_(1)		9773LCB_(1)	9773LCB_(1)	9773LCB_(1)	9773LCB_(1)
48 Vdc/Vac DI, Electromechanical DO	9744LDC_(1)		9773LCC_(1)	9773LCC_(1)	9773LCC_(1)	9773LCC_(1)
110 Vdc/Vac DI, Electromechanical DO	9744LDD_(1)		9773LCD_(1)	9773LCD_(1)	9773LCD_(1)	9773LCD_(1)
220 Vdc/Vac DI, Electromechanical DO	9744LDG_(1)		9773LCG_(1)	9773LCG_(1)	9773LCG_(1)	9773LCG_(1)
250 Vdc/Vac DI, Electromechanical DO	9744LDH_(1)		9773LCH_(1)	9773LCH_(1)	9773LCH_(1)	9773LCH_(1)
* Note: Requires R202 or higher firmware in the SEL-2411. ** Note: Requires R203 or higher firmware in the SEL-2414. *** Note: Requires R306 or higher firmware (excluding versions R400 - R401) in the SEL-710. **** Note: Requires R303 or higher firmware (excluding versions R400 - R402) in the SEL-751A. ***** Note: Requires R104 or higher firmware (excluding versions R200 - R202) in the SEL-787.						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**4 Digital Input / 4 Digital Output (SElect 4 DI / 4 DO)\*\*\*\***
**Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Digital Input Voltage, Output Type	Part Number					
125 Vdc/Vac DI, Electromechanical DO	9715L1A_(1)		9764L1A_(1)	9764L1A_(1)	9764L1A_(1)	9764L1A_(1)
24 Vdc/Vac DI, Electromechanical DO	9715L1B_(1)		9764L1B_(1)	9764L1B_(1)	9764L1B_(1)	9764L1B_(1)
48 Vdc/Vac DI, Electromechanical DO	9715L1C_(1)		9764L1C_(1)	9764L1C_(1)	9764L1C_(1)	9764L1C_(1)
110 Vdc/Vac DI, Electromechanical DO	9715L1D_(1)		9764L1D_(1)	9764L1D_(1)	9764L1D_(1)	9764L1D_(1)
220 Vdc/Vac DI, Electromechanical DO	9715L1G_(1)		9764L1G_(1)	9764L1G_(1)	9764L1G_(1)	9764L1G_(1)
250 Vdc/Vac DI, Electromechanical DO	9715L1H_(1)		9764L1H_(1)	9764L1H_(1)	9764L1H_(1)	9764L1H_(1)
125 Vdc/Vac DI, Fast High Current Interrupting DO	9739LCA_(1)*		9764LCA_(1)**	9764LCA_(1)	9764LBA_(1)***	9764LBA_(1)
24 Vdc/Vac DI, Fast High Current Interrupting DO	9739LCB_(1)*		9764LCB_(1)**	9764LCB_(1)	9764LBB_(1)***	9764LBB_(1)
48 Vdc/Vac DI, Fast High Current Interrupting DO	9739LCC_(1)*		9764LCC_(1)**	9764LCC_(1)	9764LBC_(1)***	9764LBC_(1)
110 Vdc/Vac DI, Fast High Current Interrupting DO	9739LCD_(1)*		9764LCD_(1)**	9764LCD_(1)	9764LBD_(1)***	9764LBD_(1)
220 Vdc/Vac DI, Fast High Current Interrupting DO	9739LCG_(1)*		9764LCG_(1)**	9764LCG_(1)	9764LBG_(1)***	9764LBG_(1)
250 Vdc/Vac DI, Fast High Current Interrupting DO	9739LCH_(1)*		9764LCH_(1)**	9764LCH_(1)	9764LBH_(1)***	9764LBH_(1)
* Note: Requires R300 or higher firmware revision in the SEL-710. ** Note: Requires R102 or higher firmware revision in the SEL-751A. *** Note: Requires R2xx or higher firmware revision in the SEL-2411. **** Note: Unless otherwise specified, all digital outputs are Form A.						

**3 Digital Input / 4 Digital Output / 1 4~20 mA Analog Output (SElect 3 DI / 4 DO / 1 AO)\***
**Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Digital Input Voltage, Output Type	Part Number					
125 Vdc/Vac DI, Electromechanical DO	9714LBA_(1)	9752L1A_(1)	9727LBA_(1)	9727LBA_(1)		
24 Vdc/Vac DI, Electromechanical DO	9714LBB_(1)	9752L1B_(1)	9727LBB_(1)	9727LBB_(1)		
48 Vdc/Vac DI, Electromechanical DO	9714LBC_(1)	9752L1C_(1)	9727LBC_(1)	9727LBC_(1)		
110 Vdc/Vac DI, Electromechanical DO	9714LBD_(1)	9752L1D_(1)	9727LBD_(1)	9727LBD_(1)		
220 Vdc/Vac DI, Electromechanical DO	9714LBG_(1)	9752L1G_(1)	9727LBG_(1)	9727LBG_(1)		
250 Vdc/Vac DI, Electromechanical DO	9714LBH_(1)	9752L1H_(1)	9727LBH_(1)	9727LBH_(1)		
Note: Only one (1) ~ 3 DI / 4 DO / 1 AO card per chassis. * Note: Unless otherwise specified, all digital outputs are Form A..						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**8 Analog Input (SElect 8 AI)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	<b>Part Number</b>					
8 ±20 mA or ±10 V, Jumper Selectable	9762L5X_(1)		9762L5X_(1)		9762L5X_(1)	9762L5X_(1)
4 Std Range Inputs, ±20 mA or ±10 V, Jumper Selectable 4 Ext Range Inputs, ±300 V Only, No Current					9762L52_(1)*	9762L52_(1)*
* Note: Requires R2xx or higher firmware revision in the SEL-2411.						

**4 Analog Input / 4 Analog Output (SElect 4 AI / 4 AO)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	<b>Part Number</b>					
±20 mA or ±10 V, Jumper Selectable	9763L6X_(1)		9763L6X_(1)	9763L6X_(1)	9763L6X_(1)	9763L6X_(1)
Note: Only one 4 AI / 4 AO card per chassis.						

**10 RTD Input Card (SElect 10 RTD)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411*	SEL-2414
	<b>Part Number</b>					
RTD Analog Input	9719L9X_(1)		9719L9X_(1)	9719L9X_(1)	9772L9X_(1)	9772L9X_(1)
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.						
* Note: Requires R2xx or higher firmware revision in the SEL-2411.						

**Serial Communication Card (SElect EIA-232/485)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	<b>Part Number</b>					
	9717LA0_(1)	9717LA0_(1)	9717LA0_(1)	9717LA0_(1)	9751LA0_(1)	9717LA0_(1)

**Power Supply 125/250 Vdc/Vac (SElect PSIO / 2 DI / 3 DO) for Relay With 2x16 LCD Display****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	<b>Part Number</b>					
<b>Digital Input Voltage</b>						
125 Vdc/Vac Digital Input	9710L1A_(1)	9710L1A_(1)	9765L1A_(1)	9765L1A_(1)	9790L1A_(1)	9765L1A_(1)
24 Vdc/Vac Digital Input	9710L1B_(1)	9710L1B_(1)	9765L1B_(1)	9765L1B_(1)	9790L1B_(1)	9765L1B_(1)
48 Vdc/Vac Digital Input	9710L1C_(1)	9710L1C_(1)	9765L1C_(1)	9765L1C_(1)	9790L1C_(1)	9765L1C_(1)
110 Vdc/Vac Digital Input	9710L1D_(1)	9710L1D_(1)	9765L1D_(1)	9765L1D_(1)	9790L1D_(1)	9765L1D_(1)
220 Vdc/Vac Digital Input	9710L1G_(1)	9710L1G_(1)	9765L1G_(1)	9765L1G_(1)	9790L1G_(1)	9765L1G_(1)
250 Vdc/Vac Digital Input	9710L1H_(1)	9710L1H_(1)	9765L1H_(1)	9765L1H_(1)	9790L1H_(1)	9765L1H_(1)

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**Power Supply 125/250 Vdc/Vac (SElect PSIO / 2 DI / 3 DO) for Relays With 5 in Color Touchscreen Display****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>Digital Input Voltage</b>	<b>Part Number</b>					
125 Vdc/Vac Digital Input					9775L1AAB <sup>(1)</sup>	
24 Vdc/Vac Digital Input					9775L1BAB <sup>(1)</sup>	
48 Vdc/Vac Digital Input					9775L1CAB <sup>(1)</sup>	
110 Vdc/Vac Digital Input					9775L1DAB <sup>(1)</sup>	
220 Vdc/Vac Digital Input					9775L1GAB <sup>(1)</sup>	
250 Vdc/Vac Digital Input					9775L1HAB <sup>(1)</sup>	

**Power Supply 24/48 Vdc (SElect PSIO / 2 DI / 3 DO) for Relay With 2x16 LCD Display****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>Digital Input Voltage</b>	<b>Part Number</b>					
125 Vdc/Vac Digital Input	9710L2A <sup>(1)</sup>	9710L2A <sup>(1)</sup>	9765L2A <sup>(1)</sup>	9765L2A <sup>(1)</sup>	9790L2A <sup>(1)</sup>	9765L2A <sup>(1)</sup>
24 Vdc/Vac Digital Input	9710L2B <sup>(1)</sup>	9710L2B <sup>(1)</sup>	9765L2B <sup>(1)</sup>	9765L2B <sup>(1)</sup>	9790L2B <sup>(1)</sup>	9765L2B <sup>(1)</sup>
48 Vdc/Vac Digital Input	9710L2C <sup>(1)</sup>	9710L2C <sup>(1)</sup>	9765L2C <sup>(1)</sup>	9765L2C <sup>(1)</sup>	9790L2C <sup>(1)</sup>	9765L2C <sup>(1)</sup>
110 Vdc/Vac Digital Input	9710L2D <sup>(1)</sup>	9710L2D <sup>(1)</sup>	9765L2D <sup>(1)</sup>	9765L2D <sup>(1)</sup>	9790L2D <sup>(1)</sup>	9765L2D <sup>(1)</sup>
220 Vdc/Vac Digital Input	9710L2G <sup>(1)</sup>	9710L2G <sup>(1)</sup>	9765L2G <sup>(1)</sup>	9765L2G <sup>(1)</sup>	9790L2G <sup>(1)</sup>	9765L2G <sup>(1)</sup>
250 Vdc/Vac Digital Input	9710L2H <sup>(1)</sup>	9710L2H <sup>(1)</sup>	9765L2H <sup>(1)</sup>	9765L2H <sup>(1)</sup>	9790L2H <sup>(1)</sup>	9765L2H <sup>(1)</sup>

**1 AC Current (SElect 1 ACI)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>1 AC Current (SElect 1 ACI)</b>	<b>Part Number</b>					
Current: 1 A Neutral				9733L1A1 <sup>(1)</sup>		
Current: 5 A Neutral				9733L1A5 <sup>(1)</sup>		
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.						

**1 AC Current / 3-Phase AC Voltage Input (SElect 1 ACI / 3 AVI)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>1 AC Current / 3-Phase AC Voltage Input (SElect 1 ACI / 3 AVI)</b>	<b>Part Number</b>					
Voltage: 300 Vac Maximum Current: 1 A Neutral				9733LE71 <sup>(1)</sup>		
Voltage: 300 Vac Maximum Current: 5 A Neutral				9733LE75 <sup>(1)</sup>		
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

#### 4 AC Current Input (SElect 4 ACI)

#### Product Compatibility

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	Part Number					
1 A Phase, 1 A Neutral	9711L81_(1)	9756L81_(1)	9724L81_(1)		9770L81_(1)	9770L81_(1)
1 A Phase, 5 A Neutral	9711L82_(1)	9756L82_(1)	9724L82_(1)		9770L82_(1)	9770L82_(1)
1 A Phase, 2.5 mA High Sense Neutral	9711L83_(1)		9724L83_(1)			
1 A Phase, 50 mA Neutral			9724L84_(1)*			
5 A Phase, 5 A Neutral	9711L85_(1)	9756L85_(1)	9724L85_(1)		9770L85_(1)	9770L85_(1)
5 A Phase, 1 A Neutral	9711L86_(1)	9756L86_(1)	9724L86_(1)		9770L86_(1)	9770L86_(1)
5 A Phase, 2.5 mA High Sense Neutral	9711L87_(1)		9724L87_(1)			
5 A Phase, 50 mA Neutral			9724L88_(1)*			

\* Note: Requires R301 or higher firmware revision in the SEL-751A.

#### 6 AC Current Input (SElect 6 ACI)

#### Product Compatibility

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	Part Number					
1 A Winding 1, 1 A Winding 2				9730L81_(1)		
1 A Winding 1, 5 A Winding 2				9730L82_(1)		
5 A Winding 1, 5 A Winding 2				9730L85_(1)		

#### 3-Phase AC Voltage Input (SElect 3 AVI)

#### Product Compatibility

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	Part Number					
300 Vac Maximum	9720L71_(1)	9753L71_(1)	9728L71_(1)		9769L71_(1)	9769L71_(1)

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**3 AC Current / 3-Phase AC Voltage Input (SElect 3 ACI / 3 AVI)****Product Compatibility**

	SEL-710*	SEL-749M	SEL-751A	SEL-787	SEL-2411**	SEL-2414
	Part Number					
Voltage: 300 Vac Maximum (Motor Differential) Current: 1 A / 5 A	9716L72_(1)					
Voltage: 8 Vac Maximum Current: 5 A					9771L73_(1)	
With AMS Connector Voltage: 8 Vac Maximum Current: 5 A					9771L74_(1)	
Voltage: 300 Vac Maximum Current: 5 A					9771L75_(1)	9771L75_(1)
With AMS Connector Voltage: 300 Vac Maximum Current: 5 A					9771L76_(1)	9771L76_(1)
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.						
* Note: Requires R201 or higher firmware revision in the SEL-710.						
** Note: Requires R2xx or higher firmware revision in the SEL-2411.						

**3-Phase AC Voltage, Vsync, Vbat Input (SElect 5 AVI)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	Part Number					
300 Vac Maximum with Monitoring Package			9735L72_(1)*			
300 Vac Maximum with Advanced Metering & Protection Package			9735L73_(1)**			
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.						
* Note: Requires R200 or higher firmware revision in the SEL-751A.						
** Note: Requires R300 or higher firmware revision in the SEL-751A.						

**3-Phase AC Voltage, Vsync, Vbat Input and 1 AC Residual Current Input (SElect 5 AVI/1ACI)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	Part Number					
5 Amp Residual (IG)			9735L75_(1)*			
1 Amp Residual (IG)			9735L76_(1)*			
Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.						
* Note: Requires R406 or higher firmware revision in the SEL-751A.						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**3-Phase AC Voltage and 4 Arc-Flash Detection Inputs (SElect 3 AVI / 4 AFDI)****Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
	Part Number					
300 Vac Maximum with 4 Arc-Flash Detection Inputs			9738L74_(1)*			
<p>Note: These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.</p> <p>Note: For Arc-Flash Detection Point Sensors, Bare-Fiber Sensors, or Cable Accessories, see SEL-C804 Multimode Fiber-Optic Arc-Flash Detection (AFD) Sensors.</p> <p>* Note: Requires R300 or higher firmware revision in the SEL-751A.</p>						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.



**Processor Board (SElect CPU / COM)**
**Product Compatibility**

		SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Communication Ports	Protocols	Part Number					
	Standard Protocols: SEL ASCII, Compressed ASCII, Fast Meter, Fast Operate, Fast Message, Modbus® RTU						
IRIG-B Input EIA-232 Front/Rear	Standard			9725L000 <sup>(1)</sup>		9791L000 <sup>(1)</sup>	9794L000 <sup>(1)</sup>
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9725L002 <sup>(1)</sup>		9791L003 <sup>(1)</sup>	9794L003 <sup>(1)</sup>
IRIG-B Input EIA-232 Front/EIA-485 Rear	Standard			9726L010 <sup>(1)</sup>			
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9726L012 <sup>(1)</sup>			
IRIG-B Input EIA-232 Front/EIA-485 Rear Fiber-Optic Serial Port Multimode ST	Standard	9713L010 <sup>(1)</sup>		9726L110 <sup>(1)</sup>	9732L010 <sup>(1)</sup>		
	Standard plus DNP3			9726L112 <sup>(1)</sup>	9732L012 <sup>(1)</sup>		
IRIG-B Input EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST	Standard	9712L000 <sup>(1)</sup>	9754L000 <sup>(1)</sup>	9725L100 <sup>(1)</sup>	9731L000 <sup>(1)</sup>	9791L100 <sup>(1)</sup>	9794L100 <sup>(1)</sup>
	Standard plus DNP3			9725L102 <sup>(1)</sup>	9731L002 <sup>(1)</sup>	9791L103 <sup>(1)</sup>	9794L103 <sup>(1)</sup>
IRIG-B Input EIA-232 Front/Rear 10/100BASE-T Ethernet	Standard plus Modbus TCP			9725L020 <sup>(1)</sup>		9791L010 <sup>(1)</sup>	9794L010 <sup>(1)</sup>
	Standard plus Modbus TCP, IEC 61850			9725L021 <sup>(1)</sup>			
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9725L022 <sup>(1)</sup>		9791L013 <sup>(1)</sup>	9794L013 <sup>(1)</sup>
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9725L023 <sup>(1)</sup>		9791L014 <sup>(1)</sup>	9794L014 <sup>(1)</sup>
IRIG-B Input EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST 10/100BASE-T Ethernet	Standard plus Modbus TCP	9712L020 <sup>(1)</sup>		9725L120 <sup>(1)</sup>	9731L020 <sup>(1)</sup>	9791L110 <sup>(1)</sup>	9794L110 <sup>(1)</sup>
	Standard plus Modbus TCP, IEC 61850	9712L021 <sup>(1)</sup>		9725L121 <sup>(1)</sup>	9731L021 <sup>(1)</sup>		
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9725L122 <sup>(1)</sup>	9731L022 <sup>(1)</sup>	9791L113 <sup>(1)</sup>	9794L113 <sup>(1)</sup>
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9725L123 <sup>(1)</sup>	9731L023 <sup>(1)</sup>	9791L114 <sup>(1)</sup>	9794L114 <sup>(1)</sup>

**Notes:**

These card kits do not contain a rear panel. Please order a rear panel from the table at the bottom of this document.

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

Units with a serial code lower than 2009322001 must be returned to SEL for mainboard upgrades. Units with serial code 2009322001 or higher may be upgraded in the field.

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**Processor Board (SElect CPU / COM) Continued**

**Product Compatibility**

		SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Communication Ports	Protocols	Part Number					
	Standard Protocols: SEL ASCII, Compressed ASCII, Fast Meter, Fast Operate, Fast Message, Modbus® RTU						
IRIG-B Input EIA-232 Front/EIA-485 Rear 10/100BASE-T Ethernet	Standard plus Modbus TCP			9726L030_(1)			
	Standard plus Modbus TCP, IEC 61850			9726L031_(1)			
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9726L032_(1)			
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9726L033_(1)			
IRIG-B Input EIA-232 Front/EIA-485 RearFiber-Optic Serial ort Multimode ST 10/100BASE-T Ethernet	Standard plus Modbus TCP	9713L030_(1)		9726L130_(1)	9732L030_(1)		
	Standard plus Modbus TCP, IEC 61850	9713L031_(1)		9726L131_(1)	9732L031_(1)		
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9726L132_(1)	9732L032_(1)		
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9726L133_(1)	9732L033_(1)		

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 Only one (1) 4AI/4AO card allowed per chassis.  
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**Processor Board (SElect CPU / COM) Continued**

**Product Compatibility**

		SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Communication Ports	Protocols	Part Number					
	Standard Protocols: SEL ASCII, Compressed ASCII, Fast Meter, Fast Operate, Fast Message, Modbus® RTU						
PTC Thermistor Input EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST	Standard	9712L100_(1)	9754L100_(1)				
PTC Thermistor Input EIA-232 Front/EIA-485 Rear Fiber-Optic Serial Port Multimode ST	Standard	9713L110_(1)					
PTC Thermistor Input EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST 10/100BASE-T Ethernet	Standard plus Modbus TCP	9712L120_(1)					
PTC Thermistor Input EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST 10/100BASE-T Ethernet	Standard plus Modbus TCP, IEC 61850	9712L121_(1)					
PTC Thermistor Input EIA-232 Front/EIA-485 Rear Fiber-Optic Serial Port Multimode ST 10/100BASE-T Ethernet	Standard plus Modbus TCP	9713L130_(1)					
PTC Thermistor Input EIA-232 Front/EIA-485 Rear Fiber-Optic Serial Port Multimode ST 10/100BASE-T Ethernet	Standard plus Modbus TCP, IEC 61850	9713L131_(1)					

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**Processor Board (SElect CPU / COM) Continued**

**Product Compatibility**

		SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Communication Ports	Protocols	Part Number					
	Standard Protocols: SEL ASCII, Compressed ASCII, Fast Meter, Fast Operate, Fast Message, Modbus® RTU						
EIA-232 Front/Rear Single 100BASE-FX MM LC Ethernet (fiber)	Standard plus Modbus TCP			9734L040_(1)		9791L040_(1)	9794L040_(1)
	Standard plus Modbus TCP, IEC 61850			9734L041_(1)			
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9734L042_(1)		9791L043_(1)	9794L043_(1)
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9734L043_(1)		9791L044_(1)	9794L044_(1)
	Standard plus Modbus TCP	9736L040_(1)		9734L140_(1)	9731L040_(1)	9791L140_(1)	9794L140_(1)
EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST Single 100BASE-FX MM LC Ethernet (fiber)	Standard plus Modbus TCP, IEC 61850	9736L041_(1)		9734L141_(1)	9731L041_(1)		
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9734L142_(1)	9731L042_(1)	9791L143_(1)	9794L143_(1)
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9734L143_(1)	9731L043_(1)	9791L144_(1)	9794L144_(1)
	Standard plus Modbus TCP			9734L060_(1)		9791L060_(1)	9794L060_(1)
EIA-232 Front/Rear Dual 10/100BASE-T Ethernet (copper)	Standard plus Modbus TCP, IEC 61850			9734L061_(1)			
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9734L062_(1)		9791L063_(1)	9794L063_(1)
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9734L063_(1)		9791L064_(1)	9794L064_(1)

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**Processor Board (SElect CPU / COM) Continued**

**Product Compatibility**

		SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Communication Port	Protocols	Part Number					
	Standard Protocols: SEL ASCII, Compressed ASCII, Fast Meter, Fast Operate, Fast Message, Modbus® RTU						
EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST Dual 10/100BASE-T Ethernet (copper)	Standard plus Modbus TCP	9736L060 <sup>(1)</sup>		9734L160 <sup>(1)</sup>	9731L060 <sup>(1)</sup>	9791L160 <sup>(1)</sup>	9794L160 <sup>(1)</sup>
	Standard plus Modbus TCP, IEC 61850	9736L063 <sup>(1)</sup>		9734L161 <sup>(1)</sup>	9731L061 <sup>(1)</sup>		
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9734L162 <sup>(1)</sup>	9731L062 <sup>(1)</sup>	9791L163 <sup>(1)</sup>	9794L163 <sup>(1)</sup>
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9734L163 <sup>(1)</sup>	9731L063 <sup>(1)</sup>	9791L164 <sup>(1)</sup>	9794L164 <sup>(1)</sup>
EIA-232 Front/Rear Dual 100BASE-FX MM LC Ethernet (fiber)	Standard plus Modbus TCP			9734L080 <sup>(1)</sup>		9791L080 <sup>(1)</sup>	9794L080 <sup>(1)</sup>
	Standard plus Modbus TCP, IEC 61850			9734L081 <sup>(1)</sup>			
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9734L082 <sup>(1)</sup>		9791L083 <sup>(1)</sup>	9794L083 <sup>(1)</sup>
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9734L083 <sup>(1)</sup>		9791L084 <sup>(1)</sup>	9794L084 <sup>(1)</sup>
EIA-232 Front/Rear Fiber-Optic Serial Port Multimode ST Dual 100BASE-FX MM LC Ethernet (fiber)	Standard plus Modbus TCP	9736L080 <sup>(1)</sup>		9734L180 <sup>(1)</sup>	9731L080 <sup>(1)</sup>	9791L180 <sup>(1)</sup>	9794L180 <sup>(1)</sup>
	Standard plus Modbus TCP, IEC 61850	9736L083 <sup>(1)</sup>		9734L181 <sup>(1)</sup>	9731L081 <sup>(1)</sup>		
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN			9734L182 <sup>(1)</sup>	9731L082 <sup>(1)</sup>	9791L183 <sup>(1)</sup>	9794L183 <sup>(1)</sup>
	Standard plus Modbus TCP, DNP3, DNP3 LAN/WAN, IEC 61850			9734L183 <sup>(1)</sup>	9731L083 <sup>(1)</sup>	9791L184 <sup>(1)</sup>	9794L184 <sup>(1)</sup>

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**SEL-241x Rear Panels**

**Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
Card Slot Support	Part Number					
None/Single Copper Ethernet					9792L010	9792L010
4 ACI, None/Single Copper Ethernet					9792L020	9792L020
3 ACI/3 AVI, None/Single Copper Ethernet					9792L030	9792L030
3 ACI/3 AVI, 4 ACI, None/single Copper Ethernet					9792L040	9792L040
RTD, None/Single Copper Ethernet					9792L050	9792L050
RTD, 4 ACI, None/Single Copper Ethernet					9792L060	9792L060
RTD, 3 ACI/3 AVI, None/Single Copper Ethernet					9792L070	9792L070
RTD, 3 ACI/3 AVI, 4 ACI, None/Single Copper Ethernet					9792L080	9792L080
RTD/TC, None/Single Copper Ethernet					9792L250	9792L250
RTD/TC, 4 ACI, None/Single Copper Ethernet					9792L260	9792L260
RTD/TC, 3 ACI/3 AVI, None/Single Copper Ethernet					9792L270	9792L270
RTD/TC, 3 ACI/3 AVI, 4 ACI, None/Single Copper Ethernet					9792L280	9792L280
Dual Copper Ethernet					9792L090	9792L090
4 ACI, Dual Copper Ethernet					9792L100	9792L100
3 ACI/3 AVI, Dual Copper Ethernet					9792L110	9792L110
3 ACI/3 AVI, 4 ACI, Dual Copper Ethernet					9792L120	9792L120
RTD, Dual Copper Ethernet					9792L130	9792L130
RTD, 4 ACI, Dual Copper Ethernet					9792L140	9792L140
RTD, 3 ACI/3 AVI, Dual Copper Ethernet					9792L150	9792L150
RTD, 3 ACI/3 AVI, 4 ACI, Dual Copper Ethernet					9792L160	9792L160
RTD/TC, Dual Copper Ethernet					9792L290	9792L290
RTD/TC, 4 ACI, Dual Copper Ethernet					9792L300	9792L300
RTD/TC, 3 ACI/3 AVI, Dual Copper Ethernet					9792L310	9792L310
RTD/TC, 3 ACI/3 AVI, 4 ACI, Dual Copper Ethernet					9792L320	9792L320
<p>Notes:                      For SEL-2411 units with empty slots, 9792L010 is the "default" panel.                      SElect Communication, Power Supply, I/O, AVI and Mainboard cards are shipped without rear panels.                      SElect 4 CT, 3 ACI/3 AVI, RTD and RTD/TC are sent with 4 panels each to cover all possibilities.</p>						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**SEL-241x Rear Panels Continued**

**Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>Card Slot Support</b>	<b>Part Number</b>					
Single/Dual Fiber Ethernet					9792L170	9792L170
4 ACI, Single/Dual Fiber Ethernet					9792L180	9792L180
3 ACI/3 AVI, Single/Dual Fiber Ethernet					9792L190	9792L190
3 ACI/3 AVI, 4 ACI, Single/Dual Fiber Ethernet					9792L200	9792L200
RTD, Single/Dual Fiber Ethernet					9792L210	9792L210
RTD, 4 ACI, Single/Dual Fiber Ethernet					9792L220	9792L220
RTD, 3 ACI/3 AVI, Single/Dual Fiber Ethernet					9792L230	9792L230
RTD, 3 ACI/3 AVI, 4 ACI, Single/Dual Fiber Ethernet					9792L240	9792L240
RTD/TC, Single/Dual Fiber Ethernet					9792L330	9792L330
RTD/TC, 4 ACI, Single/Dual Fiber Ethernet					9792L340	9792L340
RTD/TC, 3 ACI/3 AVI, Single/Dual Fiber Ethernet					9792L350	9792L350
RTD/TC, 3 ACI/3 AVI, 4 ACI, Single/Dual Fiber Ethernet					9792L360	9792L360
<p>Notes:                      For SEL-2411 units with empty slots, 9792L010 is the "default" panel.                      SElect Communication, Power Supply, I/O, AVI and Mainboard cards are shipped without rear panels.                      SElect 4 CT, 3 ACI/3 AVI, RTD and RTD/TC are sent with 4 panels each to cover all possibilities.</p>						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**SEL-7xx Rear Panels**

**Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>Card Slot Support</b>	<b>Part Number</b>					
Standard rear panel - SEL-749M		9777L400				
3 ACI / 3 AVI, EIA-232, None/Single Copper Ethernet	9777L100					
RTD, 3 ACI / 3 AVI, EIA-232, None/Single Copper Ethernet	9777L101					
RTD, 3 ACI / 3 AVI, EIA-485, None/Single Copper Ethernet	9777L102					
3 ACI / 3 AVI, EIA-485, None/Single Copper Ethernet	9777L103					
3 ACI / 3 AVI, EIA-232, Dual Copper Ethernet	9777L104					
RTD, 3 ACI / 3 AVI, EIA-232, Dual Copper Ethernet	9777L105					
3 ACI / 3 AVI, EIA-232, Single/Dual Fiber Ethernet	9777L106					
RTD, 3 ACI / 3 AVI, EIA-232, Single/Dual Fiber Ethernet	9777L107					
EIA-232, None/Single Copper Ethernet*	9777LS00		9777LS00			
RTD, EIA-232, None/Single Copper Ethernet*	9777LS01		9777LS01			
RTD, EIA-485, None/Single Copper Ethernet*	9777LS02		9777LS02			
EIA-485, None/Single Copper Ethernet*	9777LS03		9777LS03			
RTD, EIA-232, Single/Dual Fiber Ethernet*	9777LS04		9777LS04			
EIA-232, Single/Dual Fiber Ethernet*	9777LS05		9777LS05			
RTD, EIA-232, Dual Copper Ethernet*	9777LS06		9777LS06			
EIA-232, Dual Copper Ethernet	9777LS07		9777LS07			
5AVI, EIA-232, None/Single Copper Ethernet			9777L500			
RTD, 5AVI, EIA-232, None/Single Copper Ethernet			9777L501			
RTD, 5AVI, EIA-485, None/Single Copper Ethernet			9777L502			
5AVI, EIA-485, None/Single Copper Ethernet			9777L503			
RTD, 5AVI, EIA-232, Single/Dual Fiber Ethernet			9777L504			
5AVI, EIA-232, Single/Dual Fiber Ethernet			9777L505			
RTD, 5AVI, EIA-232 Dual Copper Ethernet			9777L506			

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.



**SEL-7xx Rear Panels Continued**

**Product Compatibility**

	<b>SEL-710</b>	<b>SEL-749M</b>	<b>SEL-751A</b>	<b>SEL-787</b>	<b>SEL-2411</b>	<b>SEL-2414</b>
<b>Card Slot Support</b>	<b>Part Number</b>					
5AVI, EIA-232 Dual Copper Ethernet			9777L507			
3 AVI / 4AFDI, EIA-232, Dual Copper Ethernet			9777L508			
3 AVI / 4AFDI, EIA-232, Single/Dual Fiber Ethernet			9777L509			
3 AVI / 4AFDI, EIA-232, None/Single Copper Ethernet			9777L510			
RTD, 3 AVI / 4AFDI, EIA-232, None/Single Copper Ethernet			9777L511			
RTD, 3 AVI / 4AFDI, EIA-485, None/Single Copper Ethernet			9777L512			
3 AVI / 4AFDI, EIA-485, None/Single Copper Ethernet			9777L513			
RTD, 3 AVI / 4AFDI, EIA-232, Single/Dual Fiber Ethernet			9777L514			
RTD, 3 AVI / 4AFDI, EIA-232, Dual Copper Ethernet			9777L515			
5AVI/1ACI, None/Single Copper Ethernet, EIA-232			9777L516			
RTD, 5AVI/1ACI, None/Single Copper Ethernet, EIA-232			9777L517			
RTD, 5AVI/1ACI, None/Single Copper Ethernet, EIA-485			9777L518			
5AVI/1ACI, None/Single Copper Ethernet, EIA-485			9777L519			
RTD, 5AVI/1ACI, Single/Dual Fiber Ethernet, EIA-232			9777L520			
5AVI/1ACI, Single/Dual Fiber Ethernet, EIA-232			9777L521			
RTD, 5AVI/1ACI, Dual Copper Ethernet, EIA-232			9777L522			
5AVI/1ACI, Dual Copper Ethernet, EIA-232			9777L523			
1 ACI or 1 ACI / 3 AVI, EIA-485, None/Single/Dual Copper Ethernet				9777L800		
EIA-485, None/Single/Dual Copper Ethernet				9777L801		
RTD, 1 ACI or 1 ACI / 3 AVI, EIA-485, None/Single/Dual Copper Ethernet				9777L802		
RTD, EIA-232, Single/Dual Fiber Ethernet				9777L803		
1 ACI or 1 ACI / 3 AVI, EIA-232, Single/Dual Fiber Ethernet				9777L804		
EIA-232, None/Single/Dual Copper Ethernet				9777L805		
RTD, 1 ACI or 1 ACI / 3 AVI, EIA-232, None/Single/Dual Copper Ethernet				9777L806		

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.

**SEL-7xx Rear Panels Continued**

**Product Compatibility**

	SEL-710	SEL-749M	SEL-751A	SEL-787	SEL-2411	SEL-2414
<b>Card Slot Support</b>	<b>Part Number</b>					
RTD, EIA-232, None/Single/Dual Copper Ethernet				9777L807		
1 ACI or 1 ACI / 3 AVI, EIA-232, None/Single/Dual Copper Ethernet				9777L808		
EIA-232, Single/Dual Fiber Ethernet				9777L809		
RTD, 1 ACI or 1 ACI / 3 AVI, EIA-485, None/Single/Dual Copper Ethernet				9777L810		
RTD, EIA-485, None/Single/Dual Copper Ethernet				9777L811		
EIA-232, Dual Copper Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
RTD, EIA-232, Dual Copper Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
EIA-232, Single/Dual Fiber Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
RTD, EIA-232, Single/Dual Fiber Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
EIA-485, None/Single Copper Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
RTD, EIA-485, None/Single Copper Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
EIA-232, None/Single Copper Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
RTD, EIA-232, None/Single Copper Ethernet, Models (G0+, G1, G1+, GT, GT+, GW)						
EIA-232, None/Single Copper Ethernet, Model (G0)						
EIA-485, None/Single Copper Ethernet, Model (G0)						
RTD, EIA-232, Single/Dual Fiber Ethernet, Model (G0)						
EIA-232, Dual Copper Ethernet, Model (G0)						
RTD, EIA-232, Dual Copper Ethernet, Model (G0)						
EIA-232, Single/Dual Fiber Ethernet, Model (G0)						
RTD, EIA-485, None/Single Copper Ethernet, Model (G0)						

(1) Use '0' for 'Without Conformal Coating' and '1' for 'With Conformal Coating' in the part number. Conformal Coating is an additional cost option.