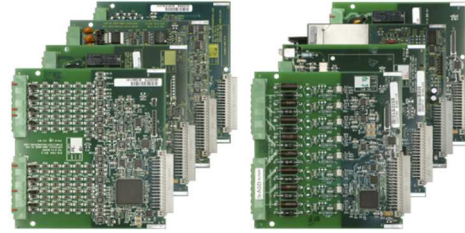


# SElect I/O Cards

Part Numbers for the SEL-710-5

## Ordering Information



**SCHWEITZER  
ENGINEERING  
LABORATORIES**

2350 NE Hopkins Court • Pullman, WA 99163-5603 USA  
 Phone: +1.509.332.1890 • Fax: +1.509.332.7990  
 Internet: www.selinc.com • E-mail: info@selinc.com

### Serial Communication Card (SElect EIA-232/485)

	Part Number
Serial Communication	9717LA0 <sup>(1)</sup>
* Note: Slot C option only.	

### 3 Digital Input / 4 Digital Output / 1 4–20 mA Analog Output (SElect 3 DI / 4 DO / 1 AO)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9717LBA <sup>(1)</sup>
24 Vdc/Vac DI, Electromechanical DO	9717LBB <sup>(1)</sup>
48 Vdc/Vac DI, Electromechanical DO	9717LBC <sup>(1)</sup>
110 Vdc/Vac DI, Electromechanical DO	9717LBD <sup>(1)</sup>
220 Vdc/Vac DI, Electromechanical DO	9717LBG <sup>(1)</sup>
250 Vdc/Vac DI, Electromechanical DO	9717LBH <sup>(1)</sup>
* Note: Only one (1) – 3 DI / 4 DO / 1 AO card per chassis. ** Note: Unless otherwise specified, all digital outputs are Form A. *** Note: Slots C, D, or E.	

(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)

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9717L1A <sup>(1)</sup>
24 Vdc/Vac DI, Electromechanical DO	9717L1B <sup>(1)</sup>
48 Vdc/Vac DI, Electromechanical DO	9717L1C <sup>(1)</sup>
110 Vdc/Vac DI, Electromechanical DO	9717L1D <sup>(1)</sup>
220 Vdc/Vac DI, Electromechanical DO	9717L1G <sup>(1)</sup>
250 Vdc/Vac DI, Electromechanical DO	9717L1H <sup>(1)</sup>
125 Vdc/Vac DI, Fast High Current Interrupting DO	9717LCA <sup>(1)</sup>
24 Vdc/Vac DI, Fast High Current Interrupting DO	9717LCB <sup>(1)</sup>
48 Vdc/Vac DI, Fast High Current Interrupting DO	9717LCC <sup>(1)</sup>
110 Vdc/Vac DI, Fast High Current Interrupting DO	9717LCD <sup>(1)</sup>
220 Vdc/Vac DI, Fast High Current Interrupting DO	9717LCG <sup>(1)</sup>
250 Vdc/Vac DI, Fast High Current Interrupting DO	9717LCH <sup>(1)</sup>
* Note: Unless otherwise specified, all digital outputs are Form A. ** Note: Slots C, D, or E.	

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

Digital Input Voltage, Output Type	Part Number
125 Vdc/Vac DI, Electromechanical DO	9717LDA <sup>(1)</sup>
24 Vdc/Vac DI, Electromechanical DO	9717LDB <sup>(1)</sup>
48 Vdc/Vac DI, Electromechanical DO	9717LDC <sup>(1)</sup>
110 Vdc/Vac DI, Electromechanical DO	9717LDD <sup>(1)</sup>
220 Vdc/Vac DI, Electromechanical DO	9717LDG <sup>(1)</sup>
250 Vdc/Vac DI, Electromechanical DO	9717LDH <sup>(1)</sup>
* Note: Slots C, D, or E.	

#### 8 Digital Output (SElect 8 DO)

Output Type	Part Number
8 Form A Electromechanical DO	9717L2A <sup>(1)</sup>
8 Form B Electromechanical DO	9717L2B <sup>(1)</sup>
6 Form A and 2 Form B Electromechanical DO	9717L2C <sup>(1)</sup>
6 Form B and 2 Form A Electromechanical DO	9717L2D <sup>(1)</sup>
4 Form A and 4 Form B Electromechanical DO	9717L2G <sup>(1)</sup>
* Note: Slots C, D, or E.	

(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 Digital Input (SElect 8 DI)

Digital Input Voltage	Part Number
125 Vdc/Vac	9717L3A <sup>(1)</sup>
24 Vdc/Vac	9717L3B <sup>(1)</sup>
48 Vdc/Vac	9717L3C <sup>(1)</sup>
110 Vdc/Vac	9717L3D <sup>(1)</sup>
220 Vdc/Vac	9717L3G <sup>(1)</sup>
250 Vdc/Vac	9717L3H <sup>(1)</sup>
* Note: Slots C, D, or E.	

### 8 Analog Input (SElect 8 AI)

Input/Output Type	Part Number
±20 mA or ±10 V, Jumper Selectable	9717L5X <sup>(1)</sup>
* Note: Slots C, D, or E.	

### 4 Analog Input / 4 Analog Output (SElect 4 AI / 4 AO)

Input Type	Part Number
±20 mA or ±10 V, Jumper Selectable	9717L6X <sup>(1)</sup>
* Note: Only one 4 AI / 4 AO card per chassis. ** Note: Slots C, D, or E.	

### 10 RTD Input Card (SElect 10 RTD)

Input Type	Part Number
RTD Analog Input	9717L9X <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. ** Note: Slot D option only.	

### 4 Arc-Flash Detection Inputs and 3 AC Current Inputs (Motor Differential) (SElect 4 AFDI / 3 DIFF ACI)

Input Type	Part Number
Arc-Flash Detections Inputs, Currents: 1A and 5A (Motor Differential)	9717L74 <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. ** Note: For Arc-Flash Detection Point Sensors, Fiber Sensors, or Cable Accessories, see SEL-C804 Multimode Fiber-Optic Arc-Flash Detection (AFD) Sensors. *** Note: Slot E option only.	

### 3 Synchronous Motor Inputs and 3 AC Current Inputs (Motor Differential) (SElect SYNCH / 3 DIFF ACI)

Input Type	Part Number
Synchronous Motor Inputs, Currents: 1A and 5A (Motor Differential)	9717L75 <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. **Note: Slot E option only.	

(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 Arc-Flash Detection Inputs (SElect 8 AFDI)

Input Type	Part Number
8 Arc-Flash Detections Inputs	9717L76_(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: For Arc-Flash Detection Point Sensors, Fiber Sensors, or Cable Accessories, see SEL-C804 Multimode Fiber-Optic Arc-Flash Detection (AFD) Sensors. *** Note: Slot E option only.	

### 3-Phase AC Current Input / Neutral AC Current Input / 3-Phase AC Voltage (300 Vac) (SElect 4 ACI / 3 AVI)

Phase Current, Neutral Current	Part Number
1 Amp Phase, 1 Amp Neutral	9717L81_(1)
1 Amp Phase, 5 Amp Neutral	9717L82_(1)
1 Amp Phase, 2.5 mA High Sense Neutral	9717L83_(1)
5 Amp Phase, 5 Amp Neutral	9717L85_(1)
5 Amp Phase, 1 Amp Neutral	9717L86_(1)
5 Amp Phase, 2.5 mA High Sense Neutral	9717L87_(1)
* Note: Slot Z option only.	

### Power Supply 125/250 Vdc, 120/240 Vac (SElect PSIO / 2 DI / 3 DO)

Digital Input Voltage	Part Number
125 Vdc/Vac Digital Input	9722L1A_(1)
24 Vdc/Vac Digital Input	9722L1B_(1)
48 Vdc/Vac Digital Input	9722L1C_(1)
110 Vdc/Vac Digital Input	9722L1D_(1)
220 Vdc/Vac Digital Input	9722L1G_(1)
250 Vdc/Vac Digital Input	9722L1H_(1)
* Note: Slot A option only.	

### Power Supply 24/48 Vdc (SElect PSIO / 2 DI / 3 DO)

Digital Input Voltage	Part Number
125 Vdc/Vac Digital Input	9722L2A_(1)
24 Vdc/Vac Digital Input	9722L2B_(1)
48 Vdc/Vac Digital Input	9722L2C_(1)
110 Vdc/Vac Digital Input	9722L2D_(1)
220 Vdc/Vac Digital Input	9722L2G_(1)
250 Vdc/Vac Digital Input	9722L2H_(1)
* Note: Slot A option only.	

(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)**

Input Type	Rear Port Type	Ethernet Type	Protocol Type	Part Number
IRIG-B	EIA-232	None	Standard	9717L000 <sup>(1)</sup>
IRIG-B	EIA-232	None	Standard, DNP3	9717L002 <sup>(1)</sup>
IRIG-B	EIA-485	None	Standard	9717L010 <sup>(1)</sup>
IRIG-B	EIA-485	None	Standard, DNP3	9717L012 <sup>(1)</sup>
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard	9717L020 <sup>(1)</sup>
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9717L021 <sup>(1)</sup>
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3	9717L022 <sup>(1)</sup>
IRIG-B	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9717L023 <sup>(1)</sup>
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard	9717L030 <sup>(1)</sup>
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9717L031 <sup>(1)</sup>
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3	9717L032 <sup>(1)</sup>
IRIG-B	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9717L033 <sup>(1)</sup>
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard	9717L040 <sup>(1)</sup>
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, IEC 61850	9717L041 <sup>(1)</sup>
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3	9717L042 <sup>(1)</sup>
IRIG-B	EIA-232	Single 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 61850	9717L043 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard	9717L060 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, IEC 61850	9717L061 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3	9717L062 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9717L063 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard	9717L080 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, IEC 61850	9717L081 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3	9717L082 <sup>(1)</sup>
IRIG-B	EIA-232	Dual 100Base-FX MM LC (Fiber)	Standard, DNP3, IEC 61850	9717L083 <sup>(1)</sup>
PTC	EIA-232	None	Standard	9717L100 <sup>(1)</sup>
PTC	EIA-232	None	Standard, DNP3	9717L102 <sup>(1)</sup>
PTC	EIA-485	None	Standard	9717L110 <sup>(1)</sup>
PTC	EIA-485	None	Standard, DNP3	9717L112 <sup>(1)</sup>
PTC	EIA-232	Single 10/100 Base-T (Copper)	Standard	9717L120 <sup>(1)</sup>
PTC	EIA-232	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9717L121 <sup>(1)</sup>
PTC	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3	9717L122 <sup>(1)</sup>
PTC	EIA-232	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9717L123 <sup>(1)</sup>
PTC	EIA-485	Single 10/100 Base-T (Copper)	Standard	9717L130 <sup>(1)</sup>

(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) Continued**

<b>Input Type</b>	<b>Rear Port Type</b>	<b>Ethernet Type</b>	<b>Protocol Type</b>	<b>Part Number</b>
PTC	EIA-485	Single 10/100 Base-T (Copper)	Standard, IEC 61850	9717L131_ <sup>(1)</sup>
PTC	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3	9717L132_ <sup>(1)</sup>
PTC	EIA-485	Single 10/100 Base-T (Copper)	Standard, DNP3, IEC 61850	9717L133_ <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.

**SEL-710-5 Rear Panels**

Card Slot Options				
Slot D Option	Slot E Option	Slot B (Mainboard) Options		Part Number
RTD	Empty or Standard I/O	EIA-232 Rear	None/Single Copper Ethernet	9777L201
RTD	Empty or Standard I/O	EIA-485 Rear	None/Single Copper Ethernet	9777L202
RTD	Empty or Standard I/O	EIA-232 Rear	Dual Copper Ethernet	9777L203
RTD	Empty or Standard I/O	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L204
RTD	4AFDI/3DIFFACI	EIA-232 Rear	None/Single Copper Ethernet	9777L205
RTD	4AFDI/3DIFFACI	EIA-485 Rear	None/Single Copper Ethernet	9777L206
RTD	4AFDI/3DIFFACI	EIA-232 Rear	Dual Copper Ethernet	9777L207
RTD	4AFDI/3DIFFACI	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L208
RTD	SYNCH/3DIFFACI	EIA-232 Rear	None/Single Copper Ethernet	9777L209
RTD	SYNCH/3DIFFACI	EIA-485 Rear	None/Single Copper Ethernet	9777L210
RTD	SYNCH/3DIFFACI	EIA-232 Rear	Dual Copper Ethernet	9777L211
RTD	SYNCH/3DIFFACI	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L212
RTD	8AFDI	EIA-232 Rear	None/Single Copper Ethernet	9777L213
RTD	8AFDI	EIA-485 Rear	None/Single Copper Ethernet	9777L214
RTD	8AFDI	EIA-232 Rear	Dual Copper Ethernet	9777L215
RTD	8AFDI	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L216
Empty or Standard I/O	Empty or Standard I/O	EIA-232 Rear	None/Single Copper Ethernet	9777L217
Empty or Standard I/O	Empty or Standard I/O	EIA-485 Rear	None/Single Copper Ethernet	9777L218
Empty or Standard I/O	Empty or Standard I/O	EIA-232 Rear	Dual Copper Ethernet	9777L219
Empty or Standard I/O	Empty or Standard I/O	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L220
Empty or Standard I/O	4AFDI/3DIFFACI	EIA-232 Rear	None/Single Copper Ethernet	9777L221
Empty or Standard I/O	4AFDI/3DIFFACI	EIA-485 Rear	None/Single Copper Ethernet	9777L222
Empty or Standard I/O	4AFDI/3DIFFACI	EIA-232 Rear	Dual Copper Ethernet	9777L223
Empty or Standard I/O	4AFDI/3DIFFACI	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L224
Empty or Standard I/O	SYNCH/3DIFFACI	EIA-232 Rear	None/Single Copper Ethernet	9777L225
Empty or Standard I/O	SYNCH/3DIFFACI	EIA-485 Rear	None/Single Copper Ethernet	9777L226
Empty or Standard I/O	SYNCH/3DIFFACI	EIA-232 Rear	Dual Copper Ethernet	9777L227
Empty or Standard I/O	SYNCH/3DIFFACI	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L228
Empty or Standard I/O	8AFDI	EIA-232 Rear	None/Single Copper Ethernet	9777L229
Empty or Standard I/O	8AFDI	EIA-485 Rear	None/Single Copper Ethernet	9777L230
Empty or Standard I/O	8AFDI	EIA-232 Rear	Dual Copper Ethernet	9777L231
Empty or Standard I/O	8AFDI	EIA-232 Rear	Single/Dual Fiber Ethernet	9777L232

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