

Ovation I/O Reference Manual

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Table 3-1. Ovation Module Choices (Cont'd)

Module Type	Channel	Electronic Module	Personality Module
Compact Seq. of Events contact input w/48V auxiliary	16	1C31233G04	Cavity Insert ²
Serial Link Controller RS232	1	1C31166G01	1C31169G01
Serial Link Controller RS485 4 wire	1	1C31166G01	1C31169G02
Servo Driver with Readback (1 KHz LVT Output, 19VPP)	6	1C31199G02	1C31201G02
Servo Driver with Readback (3 KHz LVT Output, 19VPP)	6	1C31199G03	1C31201G02
Servo Driver with Readback (16V DC LVDT Output)	6	1C31199G01	1C31201G01
Speed Detector Interface	8	1C31189G01	1C31192G01
Valve Positioner (17 Volt LVDT: 24.8 mA)	8	1C31194G01 or 1C31194G02	1C31197G01
Valve Positioner (23.75 Volt LVDT: 16.8 mA)	8	1C31194G01 or 1C31194G02	1C31197G02
Valve Positioner (23.75Volt LVDT: 8.3 mA)	8	1C31194G01 or 1C31194G02	1C31197G03
Valve Positioner (23.75Volt LVDT: 36 mA)	8	1C31194G01 or 1C31194G02	1C31197G04
<p>¹ A ninth channel is provided when using the Analog Input module with temperature sensor. This ninth point is needed for the CJ Compensation field of the Point Builder Instrumentation Tab when defining the eight other thermocouple points for the AI module (refer to Section 4 for additional information).</p> <p>² Cavity insert (1C31238H01) that fits into the Personality module position providing a wiring schematic label for the module. Typically, there is no actual Personality module required for this module type.</p> <p>³Raise and Lower Runback inputs can be disabled and used as user-defined input points. Configuration instructions are included in Kit 1C31174G20.</p>			

Section 15. Link Controller (LC) Module

15-1. Description

The Link Controller (LC) module provides the Ovation Controller with a serial data communications link to a third-party device or system. This communication is done via a serial RS-232, RS-422, or RS-485 data link. Two serial ports are provided.

This module is not described in this document. Refer to the [“Ovation Link Controller \(LC\) User Guide” \(U3-1021\)](#) for information about the configuration and operation of the Link Controller module.

The Link Controller Module is applicable for CE Mark Certified Systems.

15-2. Module Groups

15-2.1. Electronics Module

There is one Electronics module group for the Link Controller Module:

- 1C31166G01 provides for communication to a third-party device or system.

15-2.2. Personality Modules

There are two Personality module groups for the Link Controller Module:

- 1C31169G01 provides for an RS-232 serial link (in CE Mark certified systems, the application port cable must be less than 10 meters (32.8 ft)).
- 1C31169G02 provides for an RS-485 serial link (also may be used to provide for an RS-422 serial link).

Table 15-1. Link Controller Subsystem¹

Range	Channels	Electronic Module	Personality Module
RS232	One (1) Serial Port (Able to handle many points)	1C31166G01	1C31169G01
RS485/RS422 Four wire	One (1) Serial Port (Able to handle many points)	1C31166G01	1C31169G02

¹ To use this module, the appropriate SLC algorithm must reside in the Ovation Controller. Refer to [“Ovation Algorithm Reference Manual” \(R3-1100\)](#) for detailed information about the SLC algorithms.