FIRELEC Migration Solution

Alspa CE2000™ > Ovation™

AIA (Alspa Interface Adapters)

FMS-CE2000-OV-1

Contents

1. INTRODUCTION

The purpose of this document is to provide a clear, safe, and efficient migration path for users of the ALSTOM Alspa CE2000™ system transitioning to the EMERSON Ovation™ platform.

Migrating from the Alspa CE2000™ system to the Emerson Ovation™ platform can be a complex and costly process, especially when it involves replacing field wiring and modifying existing infrastructure. The **FMS-CE2000-OV-1** solution offers a smart and cost-effective alternative by preserving the original RA150 connectors and associated cabling. This approach minimizes engineering effort, reduces installation time, and avoids the risks associated with rewiring.

To support this migration, FIRELEC has developed the **FMS-CE2000-OV-1** solution. This solution is designed to preserve the existing wiring infrastructure by enabling direct connection between the legacy CE2000 system and the new Ovation system, without requiring modifications to field cabling.

The **FMS-CE2000-OV-1** solution consists of a set of pre-engineered migration adapters that are installed in place of the original Alspa CE2000™ I/O cards. These adapters allow seamless interfacing between the existing RA150 connectors and the Ovation™ I/O modules.

The RA150 modules and their DIN F-type connectors remain in place.
Through the use of dedicated Alspa Interface Adapters (AIA) and shielded cables, the existing wiring is routed and adapted to the Ovation™ I/O cards. These cables are terminated with appropriate connectors (e.g., D-SUB, BLT) on one end, and either numbered wires or connectors compatible with the Ovation™ I/O block type on the other end.

1.1. KEY ADVANTAGES OF THE FMS-CE2000-OV-1 SOLUTION

The **FMS-CE2000-OV-1** migration solution offers several key benefits:

- **Reduced project costs**: The reuse of existing RA150 cabling eliminates the need for new wiring, architectural redesign, and extensive engineering work, resulting in significant savings in both materials and labor.
- **Preservation of existing wiring:** The solution protects your investment in field cabling by enabling direct reuse of Alspa CE2000 wiring with the Ovation™ system
- **Plug-and-play design**: The adapters are pre-engineered and fully compatible with the existing Alspa CE2000 architecture, requiring no technical rework or compromise in system capabilities.
- **Minimized commissioning time**: Since instrument wiring remains untouched, field checkout during startup is significantly reduced.
- **Accelerated deployment**: Pre-engineered adapters ensure fast and reliable installation.
- **Efficient engineering conversion**: The Ovation™ system configuration supports streamlined migration, minimizing downtime during implementation.
- **Documentation continuity**: All existing electrical drawings, loop diagrams, and maintenance procedures remain valid, as the original I/O panels and wiring labels are retained.

2. ANALOG INPUTS

2.1. EXISTING CARD TO BE REMOVED : HIGH LEVEL ANALOG INPUT AH115 (8 channel)

Existing architecture	
AH115 Card	**RA150 Module**
High level Analog Input card 8 channel - current or voltage	Connection Module for the process I/O
	

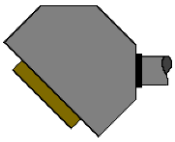
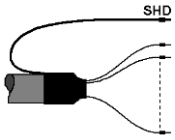
New architecture	
AIA-AI-1	**RA150 Module**
Wiring Adapter for Alspa CE2000™ migration 8 channel - current or voltage	Connection Module for the process I/O
	

The existing architecture consists of an AH115 card connected to an RA150 on which the process I/O are wired.

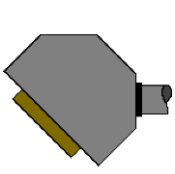
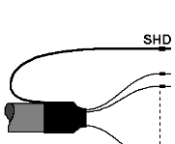
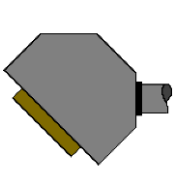
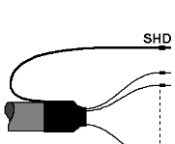
The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old AH115 card by the AIA-AI-1 migration adapter in the existing CE2000™ card file.

This adapter then allows connection to the corresponding card of an EMERSON Ovation™ system.

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-AI1-A1

Existing Process Connection	Adapter	Cable	I/O Card
RA150 Module	**AIA-AI-1**	**CBL-1035**	**Emod : 5X00106G02** **Pmod : 5X00109G01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Analog Input HART High Performance, 8 channel, 4-20mA, **Local Power Supply (Jumper)** Screw terminals
		 	

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-AI1-A2

Existing Process Connection	Adapter	Cable	I/O Card
2 x RA150 Module	**2 x AIA-AI-1**	**Two cables for connection with one Ovation card**	**Emod : 5X00784G01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Analog Input HART, 16 channel, 4-20mA, **Local Power Supply (Jumper)** Screw terminals
		**CBL-1576A** CH 1 to 8 : Cable option A  	
		**CBL-1576B** CH 9 to 16 : Cable option B  	

3. ANALOG OUTPUTS

3.1. EXISTING CARD TO BE REMOVED : ANALOG OUTPUT AS111-2 (8 channel)

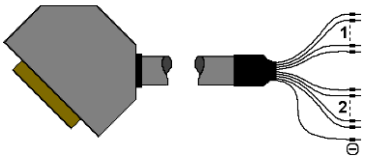
Existing architecture	
AS111-2 Card	**RA150 Module**
Analog Output card 8 channel – 0-20mA/4-20mA	Connection Module for the process I/O
	

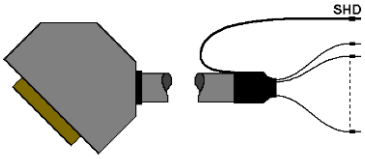
New architecture	
AIA-AO-1	**RA150 Module**
Wiring Adapter for Alspa CE2000™ migration 8 channel - current	Connection Module for the process I/O
	

The existing architecture consists of an AS111-2 card connected to an RA150 on which the process I/O are wired.

The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old AS111-2 card by the AIA-AO-1 migration adapter in the existing CE2000™ card file.

This adapter then allows connection to the corresponding card of an EMERSON Ovation™ system.

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-AO1-A1			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
RA150 Module	**AIA-AO-1**	**One cable for connection with two Ovation cards**	**2 X Emod : 5X00167G01 2 X Pmod : 5X00188H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Analog Output HART High Performance 16 Bit, 4 channel, 4-20mA, Screw terminals
		**CBL-1036** CH 1 to 4 : to the 1st card CH 5 to 8 : to the 2nd card 	

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-AO1-A2			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
RA150 Module	**AIA-AO-1**	**CBL-1577**	**Emod : 5X00846G01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Analog Output HART, 8 channel, 4-20mA, Screw terminals
			

4. DISCRETE INPUTS

4.1. EXISTING CARD TO BE REMOVED : DISCRETE INPUT (16 channel) LE108A-3 (24Vdc) OR LE108A-1 (48Vdc)

Existing architecture		New architecture	
LE108A Card	**RA150 Module**	**AIA-DI-1**	**RA150 Module**
Digital Input Card 16 channel LE108A-3 : 24Vdc LE108A-1 :48Vdc	Connection Module for the process I/O	Wiring Adapter for Alspa CE2000™ migration 16 channel	Connection Module for the process I/O
			

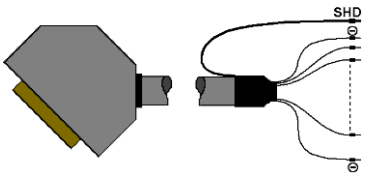
Existing architecture		New architecture	
LE108A Card	**RA150 Module**	**AIA-DI-2**	**RA150 Module**
Digital Input Card 16 channel LE108A-3 : 24Vdc LE108A-1 :48Vdc	Connection Module for the process I/O	Wiring Adapter for Alspa CE2000™ migration 16 channel	Connection Module for the process I/O
			

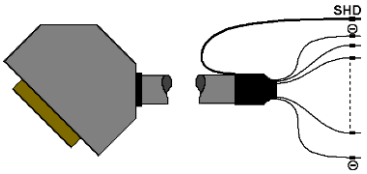
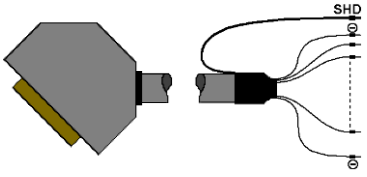
The existing architecture consists of an LE108A card connected to an RA150 on which the process I/O are wired.

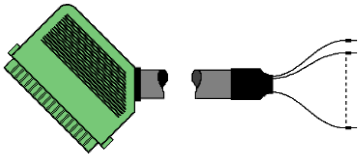
The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LE108A card by the AIA-DI-1 (D-SUB) or AIA-DI-2 (BLT) migration adapter in the existing CE2000™ card file.

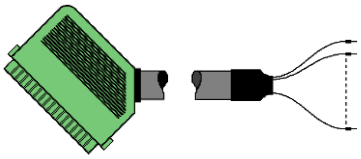
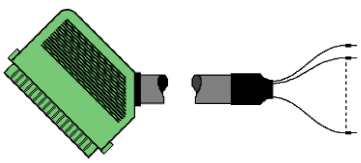
Note that in this case, the contact power supply is provided by the Ovation™ I/O card (current sourcing), at 48Vdc.
If the contact power supply was previously wired to the RA150 module, it will no longer be used.
For use in 24Vdc see the "FMS-CE2000-OV-1-DI3-A1" solution.

This adapter then allows connection to the corresponding card of an EMERSON Ovation™ system.

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DI1-A1			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
RA150 Module	**AIA-DI-1**	**CBL-1037**	**Emod : 1C31233G04** **Pmod : 1C31238H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 16 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs) using on-card power supply
			

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DI1-A2			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
2 x RA150 Module	**2 x AIA-DI-1**	**Two cables for connection with one Ovation card**	**Emod : 5X00605G01** **Pmod : 1X00884H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1574A** CH 1 to 16 : Cable option A 	
		**CBL-1574B** CH 16 to 32 : Cable option B 	

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DI1-A3			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
RA150 Module	**AIA-DI-2**	**CBL-CE2000-OV-1-DI1-A3**	**Emod : 1C31233G04 Pmod : 1C31238H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 16 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs) using on-card power supply
			

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DI1-A4			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
2 x RA150 Module	**2 x AIA-DI-2**	**Two cables for connection with one Ovation card**	**Emod : 5X00605G01 Pmod : 1X00884H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1831A** CH 1 to 16 : Cable option A 	
		**CBL-1831B** CH 7 to 32 : Cable option B 	

4.2. EXISTING CARD TO BE REMOVED : DISCRETE INPUT LE108A-2 (110/125VDC, 16 CHANNEL)

Existing architecture	
LE108A-2 Card	**RA150 Module**
Digital Input Card 16 channel LE108A-2 : 110/125Vdc	Connection Module for the process I/O
	

New architecture	
AIA-DI-4 or -5	**RA150 Module**
Wiring Adapter for Alspa CE2000™ migration 16 channel -	Connection Module for the process I/O
	

The existing architecture consists of an LE108A-2 card connected to an RA150 on which the process I/O are wired.

The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LE108A-2 card by the AIA-DI-4 or AIA-DI-5 migration adapter in the existing CE2000™ card file.

This adapter then allows connection to the corresponding card of an EMERSON Ovation™ system.
- AIA-DI-4 is for the connection to a 125Vdc DI card
- AIA-DI-5 is for the connection to a 48Vdc DI card

For both adapters, the supply voltage is limited to 121Vdc (because batteries are often used).
If the existing power supply provides 125Vdc instead of 110Vdc, please consult us.

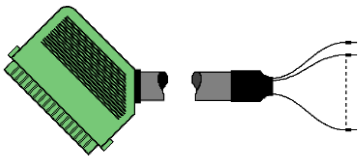
The power supply can be connected in two different ways:
- By an external voltage VPE supplied between 2z (+) and 2b (-) on the RA150
- By a voltage VPD distributed by the bottom of the file.

The selection of the supply mode is done by the jumpers on the cards.

The AIA-DI-4 or AIA-DI-5 both allow PSU monitoring.
The PSU status is available on a contact between 3 (2d) and 48 (32d) on the RA150.

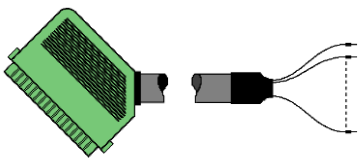
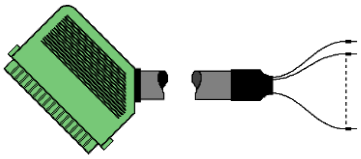
For more information, please refer to the adapter documentation on firelec.com

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DI2-A1

Existing Process Connection	Adapter	Cable	I/O Card
RA150 Module	**AIA-DI-4**	**CBL-1830**	**Emod : 1C31233G03 Pmod : 1C31238H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 16 channel, 125Vdc single-ended current-sourcing digital inputs (contact inputs)
			

For power supply connection, please refer to the adapter documentation on firelec.com

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DI2-A2

Existing Process Connection	Adapter	Cable	I/O Card
2 x RA150 Module	**2 x AIA-DI-5**	**Two cables for connection with one Ovation card**	**Emod : 5X00605G01 Pmod : 1X00884H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1831A** CH 1 to 16 : Cable option A 	
		**CBL-1831B** CH 17 to 32 : Cable option B 	

For power supply connection, please refer to the adapter documentation on firelec.com

4.3. :EXISTING CARD TO BE REMOVED : DISCRETE INPUT LE108A-3 (24VDC, 16 CHANNEL)

Existing architecture		New architecture	
LE108A-3 Card	**RA150 Module**	**AIA-DI-3**	**RA150 Module**
Digital Input Card 16 channel - 24Vdc	Connection Module for the process I/O	Wiring Adapter for Alspa CE2000™ migration 16 channel	Connection Module for the process I/O
			

The existing architecture consists of an LE108A-3 card connected to an RA150 on which the process I/O are wired.

The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LE108A-3 card by the AIA-DI-3 migration adapter in the existing CE2000™ card file.

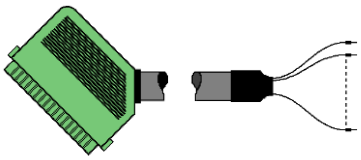
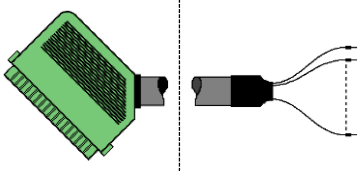
This adapter then allows connection to the corresponding card of an EMERSON Ovation™ system.

The AIA-DI-3 allows PSU monitoring.
The PSU status is available on a contact between 3 (2d) and 48 (32d) on the RA150.

The 24Vdc can be connected in two different ways :
- By an external voltage VPE supplied between 2z (+) and 2b (-) on the RA150
- By a voltage VPD distributed by the bottom of the file.

The selection of the supply mode is done by the jumpers on the AIA.

For more information, please refer to the adapter documentation on firelec.com

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DI3-A1			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
2 x RA150 Module	**2 x AIA-DI-3**	**Two cables for connection with one Ovation card**	**Emod : 5X00605G01 Pmod : 1X00884H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1831A** CH 1 to 16 : Cable option A 	
		**CBL-1831B** CH 17 to 32 : Cable option B 	
For power supply connection, please refer to the adapter documentation on firelec.com			

5. DISCRETE OUTPUTS

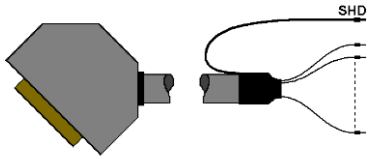
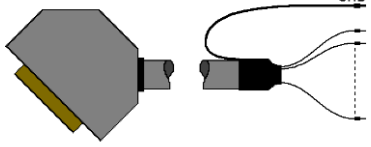
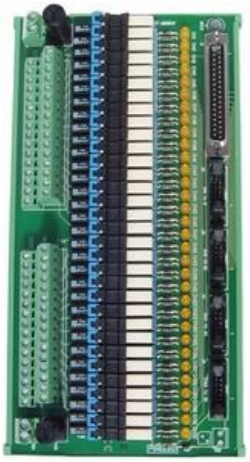
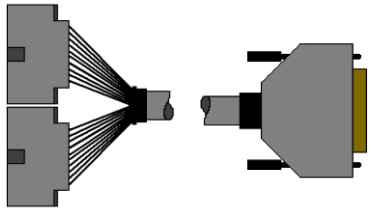
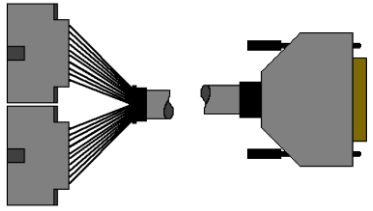
5.1. EXISTING CARD TO BE REMOVED : DISCRETE OUTPUT LC105A

Existing architecture		New architecture	
LC105A Card	**RA150 Module**	**AIA-DO-1**	**RA150 Module**
Digital Output Card 16 channel	Connection Module for the process I/O	Wiring Adapter for Alspa CE2000™ migration 16 channel	Connection Module for the process I/O
			

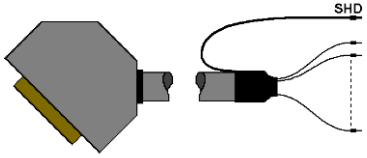
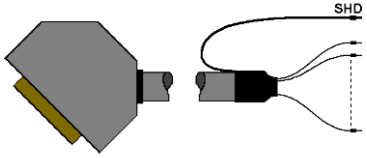
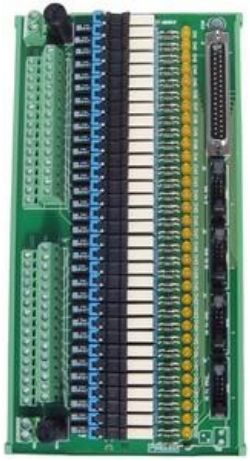
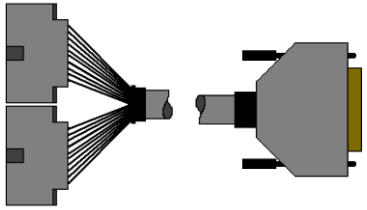
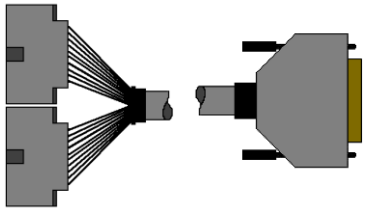
The existing architecture consists of an LC105A card connected to an RA150 on which the process I/O are wired.

The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LC105 card by the AIA-DO-1 migration adapter in the existing CE2000™ card file paired to a FIRELEC Discrete output Interface.

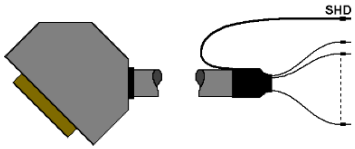
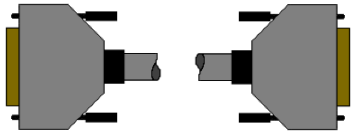
The associated FIRELEC adapter then allows connection to the corresponding card of an EMERSON Ovation™ system.

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO1-A1					
Existing Process Connection	**Adapter**	**Cable**	**Interface**	**Cable**	**I/O Card**
2 X RA150 Module	**2 X AIA-DO-1**	**CBL-1038A and CBL-1038B**	**INT-DO32-R-F-1**	**2 X CBL-1023**	**2 X Emod : 1C31122G01 2 X Pmod : 1C31125G02**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	32 channel - Discrete Outputs with fuses and electromechanical or solid state relays	Detail of the cable See cable section on firelec.com	Digital Output, 5-60Vdc, 16 channel, relay panel, Local Power Supply
 	 	 		 	 

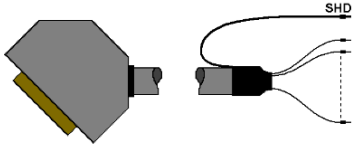
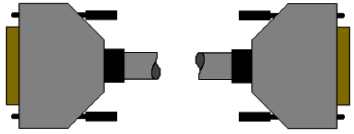
5.2. EXISTING CARD TO BE REMOVED : DISCRETE OUTPUT LC106

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO2-A1					
Existing Process Connection	**Adapter**	**Cable**	**Interface**	**Cable**	**I/O Card**
2 X RA150 Module	**2 X AIA-DO-2**	**CBL-1038A and CBL-1038B**	**INT-DO32-R-F-1**	**2 X Cable CBL-1023**	**2 X Emod : 1C31122G01 2 X Pmod : 1C31125G02**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	32 channel - Discrete Outputs with fuses and electromechanical or solid state relays	Detail of the cable See cable section on firelec.com	Digital Output, 5-60Vdc, 16 channel, relay panel, Local Power Supply
 	 	  		 	 

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO2-A2

Existing Process Connection	Adapter	Cable	Interface	Cable	I/O Card
RA150 Module	**AIA-DO-2**	**CBL-1187**	**INT-DO16-RA-2C**	**CBL-863**	**Emod : 1C31122G01 Pmod : 1C31125G02**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	16 channel - Discrete Outputs with electromechanical relays	Detail of the cable See cable section on firelec.com	Digital Output, 5-60Vdc, 16 channel, relay panel, Local Power Supply
					

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO2-A3

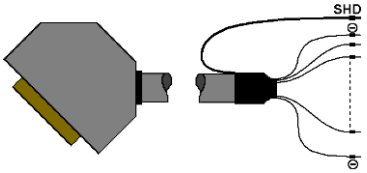
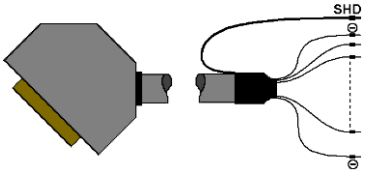
Existing Process Connection	Adapter	Cable	Interface	Cable	I/O Card
RA150 Module	**AIA-DO-2**	**CBL-1187**	**INT-DO16-RA-F-2C**	**CBL-863**	**Emod : 1C31122G01 Pmod : 1C31125G02**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	16 channel - Discrete Outputs with fuses and electromechanical relays	Detail of the cable See cable section on firelec.com	Digital Output, 5-60Vdc, 16 channel, relay panel, Local Power Supply
					

5.3. EXISTING CARD TO BE REMOVED : DISCRETE OUTPUT LC106-1 (24 OR 48VDC, 16 CH)

Existing architecture		New architecture	
LC106-1 Card	**RA150 Module**	**AIA-DO-3**	**RA150 Module**
Digital Output Card 16 channel – 24or 48Vdc	Connection Module for the process I/O	Wiring Adapter for Alspa CE2000™ migration 16 channel	Connection Module for the process I/O
			

The existing architecture consists of an LC106-1 card connected to an RA150 on which the process I/O are wired.

The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LC106-1 card by the AIA-DO-3 migration adapter in the existing CE2000™ card file.

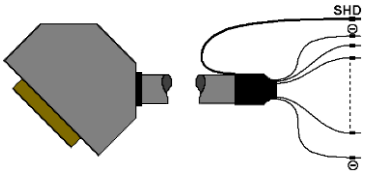
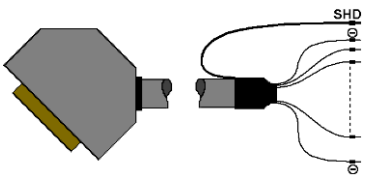
New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO3-A1			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
2 x RA150 Module	**2 x AIA-DO-3**	**Two cables for connection with one Ovation card**	**Emod : 5X00500G01 Pmod : 1X00691H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1573A** CH 1 to 16 : Cable option A 	
		**CBL-1573B** CH 17 to 32 : Cable option B 	

5.4. EXISTING CARD TO BE REMOVED: DISCRETE OUTPUT LC106-2 (110/125VDC, 16 CH)

Existing architecture		New architecture	
LC106-2 Card	**RA150 Module**	**AIA-DO-4**	**RA150 Module**
Digital Output Card 16 channel - 110-125Vdc	Connection Module for the process I/O	Wiring Adapter for Alspa CE2000™ migration 16 channel 110 **or** 125Vdc	Connection Module for the process I/O
			

The existing architecture consists of an LC106-2 card connected to an RA150 on which the process I/O are wired.

The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LC106-2 card by the AIA-DO-4 migration adapter in the existing CE2000™ card file.

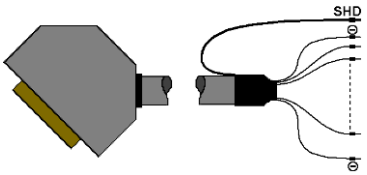
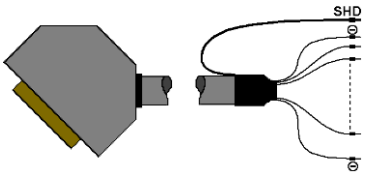
New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO4-A1			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
2 x RA150 Module	**2 x AIA-DO-4**	**Two cables for connection with one Ovation card**	**Emod : 5X00500G01** **Pmod : 1X00691H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1573A** CH 1 to 16 : Cable option A	
			
		**CBL-1573B** CH 17 to 32 : Cable option B	
			

5.5. EXISTING CARD TO BE REMOVED: DISCRETE OUTPUT LC105A-2 (24VDC, 16CH)

Existing architecture	
LC105A-2 Card	**RA150 Module**
Digital Output Card 16 channel - 24Vdc	Connection Module for the process I/O
	

New architecture	
AIA-DO-1	**RA150 Module**
Wiring Adapter for Alspa CE2000™ migration 16 channel – 24Vdc	Connection Module for the process I/O
	

The existing architecture consists of an LC105A-2 card connected to an RA150 on which the process I/O are wired.
This configuration is for the use of low consumption relays. Output Current per Channel is the same as the ovation card.
The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LC105A-2 card by the AIA-DO-1 migration adapter in the existing CE2000™ card file.

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO5-A1			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
2 x RA150 Module	**2 x AIA-DO-1**	**Two cables for connection with one Ovation card**	**Emod : 5X00500G01 Pmod : 1X00691H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1832A** CH 1 to 16 : Cable option A	
			
		**CBL-1832B** CH 17 to 32 : Cable option B	
			

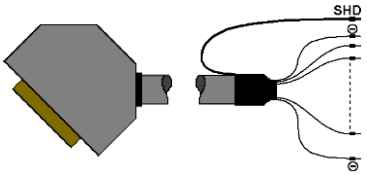
EXISTING CARD TO BE REMOVED: DISCRETE OUTPUT LC105A-2 (24Vdc, 16ch)

Existing architecture	
LC105A-2 Card	**RA150 Module**
Digital Output Card 16 channel - 24Vdc	Connection Module for the process I/O
	

New architecture	
AIA-DO-5	**RA150 Module**
Wiring Adapter for Alspa CE2000™ migration 16 channel – 24Vdc	Connection Module for the process I/O
	

The existing architecture consists of an LC105A-2 card connected to an RA150 on which the process I/O are wired.

The new architecture consists of keeping the RA150 module and the associated wiring in place and replace the old LC105A-2 card by the AIA-DO-5 migration adapter in the existing CE2000™ card file.

New EMERSON Ovation™ architecture - FMS-CE2000-OV-1-DO6-A1			
Existing Process Connection	**Adapter**	**Cable**	**I/O Card**
2 x RA150 Module	**2 x AIA-DO-5**	**Two cables for connection with one Ovation card**	**Emod : 5X00500G01 Pmod : 1X00691H01**
The RA150 module and associated wiring is kept in place	Adapter installed in existing CE2000 card file	Detail of the cable See cable section on firelec.com	Sequence of Events Compact, 32 channel, 48Vdc single-ended current-sourcing digital inputs (contact inputs)
		**CBL-1573A** CH 1 to 16 : Cable option A	
			
		**CBL-1573B** CH 17 to 32 : Cable option B