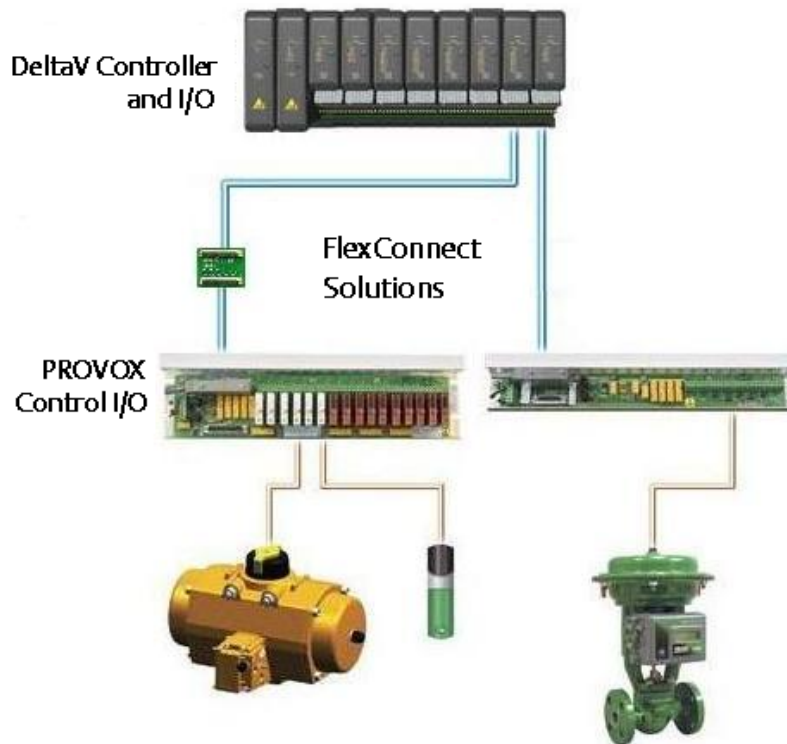




FlexConnect® Solutions for PROVOX® Control I/O



FlexConnect® solutions protect your wiring investment as you convert from a PROVOX® system to the DeltaV™ system.

- Reduce business risks by minimizing process downtime
- Save 75% of installation costs
- Preserve HART® signals

Introduction

If concerns about downtime and wiring costs are preventing you from migrating your PROVOX® system to a new DeltaV™ system, consider FlexConnect® solutions for PROVOX Control I/O.

Benefits

Reduce business risks by minimizing process downtime. This solution brings device signals to DeltaV I/O from existing PROVOX I/O terminations. Keeping device wires intact accelerates new system startup, enabling you to rapidly resume production.

Save 75% of installation costs. Eliminating new device wiring saves money and reduces the risk of errors. Time and materials savings are significant.

Preserve HART signals. Use HART Pass-through for complete diagnostics at the DeltaV Operator Station.



Product Description and Specification

FlexConnect solutions provide direct connection from PROVOX termination assemblies to DeltaV IO card terminal blocks. To simplify installation, Emerson pre-wires FlexConnect solutions to DeltaV termination blocks.

The following PROVOX point types have FlexConnect solutions as described here:

Analog Inputs (AI)

Sixteen PROVOX Analog Inputs cable connect to two 8 channel or to a 16 channel DeltaV AI HART card.

Analog Outputs (AO)

Eight PROVOX Analog Outputs cable connect to a DeltaV AO HART card.

Digital Inputs (DI)

Sixteen PROVOX Digital Inputs cable connect to a 32 channel DeltaV DI Card.

Digital Outputs (DO)

Sixteen PROVOX Digital Outputs connect to two 8 channel DeltaV DO Cards or to a 32 channel DO Card.

Digital Input / Output (DIO)

Sixteen PROVOX Digital Inputs or Outputs connect to two 8 channel DeltaV DIO Cards if redundancy is required or to two 32 channel DIO Cards.

Pulse Inputs (PI)

Eight PROVOX Pulse Inputs cable connect to two 4 channel DeltaV Multifunction cards.

Ordering Information

For inquiries and ordering information, please contact your local Emerson sales office. For reference, FlexConnect solutions for specific PROVOX Termination Panel Models are indicated in the following table:

PROVOX Control I/O Model	PROVOX Signals	DeltaV I/O card type	FlexConnect Drawing Number	Solution Type
AI CL6861, 62, 81, 82, 95, 96 AI CL6341, 45 <i>Intrinsically Safe</i>	16 AI	16 HART AI	FC-P2-CAB-AI	Cable Only
AO CL6871, 72, 85, 86 AO CL6342 <i>Intrinsically Safe</i>	8 AO	8 HART AO	FC-P2-CAB-AO	
Pulse Count Input CL6761, 62, 63, 64 Pulse Count Input CL6344 <i>Intrinsically Safe</i>	8 PI	Multifunction Card	FC-P2-CAB-PI	
DI CL6343 <i>Intrinsically Safe</i>	16 DI	32 DI	FC-P2-CAB-DI	
DIO CL6781, 83, 84, 87, 88	16 DI	32 DI	FC-P2-CAB-DI	Interface Panel and Cable
	16 DIO	8 DI, 8 DO	FC-P2-121, FC-UC-302	
	16 DIO	32 DI, 32 DO	FC-P2-124, FC-UC-305	
	16 DO	8 DO (two)	FC-P2-123, FC-UC-302	
Relay Output CL6771, 72, 73, 74, 75, 76	16 DO	32 DO	FC-P2-126, FC-UC-305	

FlexConnect solution drawings are available upon request.



Prerequisites

Preliminary review of site specifics, including and not limited to installed control system architecture electrical grounding practices, I/O models and number of each, schedule constraints and turnaround objectives. Qualified Emerson engineers or technicians perform site reviews.

Services

For help in planning, justifying or implementing your system migration, contact your local Emerson representative. Expert consultants are available to advise you on a variety of concerns including safety system design, implementation and standards compliance; digital buses, wireless applications, control performance and process optimization.

To locate a sales office near you, visit our website at: www.EasyDeltaV.com/reach

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