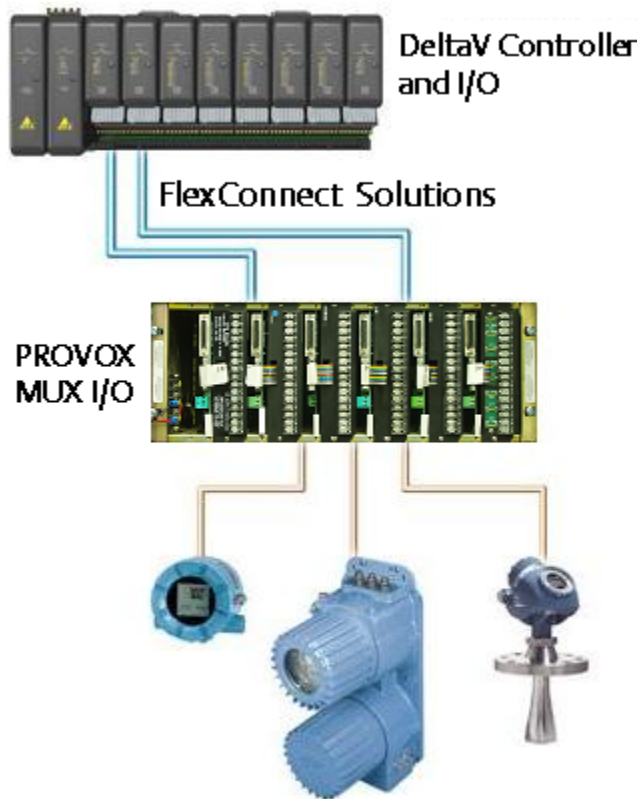




FlexConnect® Solutions for PROVOX® MUX I/O



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- 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 MUX 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 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 I/O 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:

PROVOX MUX I/O (Series 10) Field Termination Cards connect to standard DeltaV I/O modules using the FlexConnect MUX interface cards. No MUX I/O cards are used.

The FlexConnect I/O Interface card is a pass through card. It connects field terminations to a standard DeltaV I/O module.

The FlexConnect Interface cards mount inside the PROVOX MUX cages in place of the original MUX I/O 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 MUX I/O Model	PROVOX Signals	DeltaV I/O card type	FlexConnect Drawing Number
DM6003, DM6007, Multiplexer I/O File Unit	AI and DIO	AI and DIO	FC-P1-150
AI DM6311 Single Ended 1-5V dc	8 AI	4 AI (two)	FC_P1_101_AIV, FC-P1-101, FC-UC-302, FC-UC-502
AI DM6321 Single Ended 4-20mA	8 AI	8 HART AI	FC_P1_101_AI, FC-P1-101, FC-UC-302, FC-UC-502
AI DM6312 Isolated 1-5v, 0-10v	4 AI	4 AI	FC-P1-110_AI, FC-P1-110, FC-P1-161, FC-UC-502
AI DM6322 Isolated 4-20mA	4 AI(two)	8 AI	FC-P1-113_AI, FC-P1-113, FC-P1-161, FC-UC-502
RTD DM6331	8 RTD	4 RTD (two)	FC_P1_AI_RTD, FC-P1-101, FC-UC-RTD, FC-UC-505
T/C DM6351 - 55	4 T/C	8 T/C	FC_P1_AI_TC, FC-P1-107, FC-UC-502
AO DM6411, DM6421	4 AO(two)	8 HART AO	FC_P1_101_AO, FC-P1-101, FC-P1-160, FC-UC-502
DI DM6361 24VDC Field Powered	8 DI	8 DI	FC_P1_101_DI1, FC-P1-101, FC-UC-302, FC-UC-502
DI DM6362 24VDC Dry Contact	8 DI	8 DI	FC_P1_101_DI2, FC-P1-101, FC-UC-302, FC-UC-502
DI DM6363 120VAC	8 DI	8 DI	FC_P1_123_DI, FC-P1-123, FC-UC-302, FC-UC-502
DO DM6461 Direct	8 DO	8 DO	FC_P1_101_DO1, FC-P1-101, FC-UC-302, FC-UC-502
DO DM6462 Local Relay	8 DO	8 DO	FC_P1_101_DO2, FC-P1-101, FC-UC-302, FC-UC-502
DO DM6463 External Relay	8 DO	8 DO	FC_P1_101_DO3, FC-P1-101, FC-UC-301, FC-UC-502
DM6371 Pulse Count Input	PI	Multifunction	FC_P1_101_PCI1, FC-P1-101, FC-UC-307, FC-UC-504
DM6372 Pulse Count Input	PI	Multifunction	FC_P1_101_PCI2, FC-P1-101, FC-UC-307, FC-UC-504

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

...or call us at:

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Europe, Middle East:	41.41.768.6111
North America, Latin America:	+1 800.833.8314 or +1 512.832.3774

For large power, water, and wastewater applications contact Power and Water Solutions at:

www.emersonprocess-powerwater.com

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