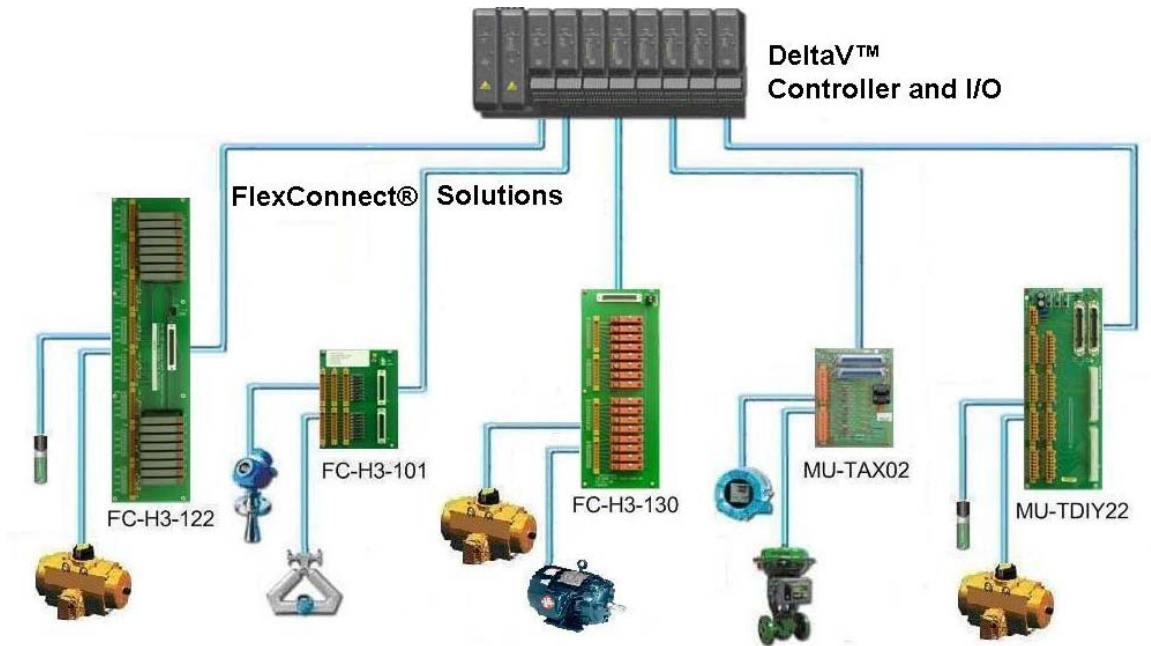




FlexConnect® Solutions for Honeywell® TDC 3000™ Systems



FlexConnect® solutions protect your wiring investment as you convert from Honeywell® TDC 3000™ 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 TDC 3000™ system to a new DeltaV™ system, consider FlexConnect® Solutions for Honeywell® TDC 3000™ Systems.

Benefits

Reduce business risks by minimizing process downtime. This solution brings device signals to DeltaV I/O from existing TDC 3000 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. Utilize HART® Pass-through for complete diagnostics at the DeltaV Operator Station.



Product Description and Specification

FlexConnect solutions provide direct connection from TDC 3000 field terminations to DeltaV I/O terminations. Cables or a combination of interface panels and cables provide the connectivity. Installation entails lifting Field Termination Assembly (FTA) compression terminations and reinserting them on the FlexConnect panels. To simplify installation, Emerson pre-wires FlexConnect solutions to DeltaV termination blocks.

The following TDC 3000 point types have FlexConnect solutions as described here:

■ Analog Inputs

Sixteen TDC 3000 two- and four-wire Analog Inputs (AI) connect to two 8 channel DeltaV AI cards.

■ RTD Inputs

Eight TDC 3000 RTD inputs connect to an 8 channel DeltaV RTD input card.

■ Analog Outputs

Up to 16 TDC 3000 Analog Outputs (AO) connect to two 8 channel DeltaV AO cards.

■ Discrete Inputs

Up to 32 TDC 3000 24 VDC Discrete Inputs (DI) connect to DeltaV DI cards.

■ Discrete Outputs

Up to 16 TDC 3000 Discrete Outputs (DO) connect to two 8 channel DeltaV DO cards.

■ Pulse Inputs

Eight TDC 3000 pulse inputs connect with two DeltaV multi-function I/O cards.



Ordering Information

The FlexConnect® solutions for Honeywell® TDC 3000™ are organized by Honeywell® FTA Termination Panel:

FTA Terminal	TDC 3000 Signals	Delta V I/O card type	FlexConnect Drawing Numbers	Solution Type
MU-TAIH02 MU-TAIH03	16 AI	8 AI (two)	FC-H3-101, FC-UC-302	Interface panel and cable
MU-TAIH12 MU-TAIH13			FC-H3-103, FC-UC-302	
MU-TAIL02 MU-TAIL03	8 AI RTD	8 AI RTD	FC-H3-104, FC-UC-306-1	
MU-TAOY22 MU-TAOY23	16 AO	8 AO (two)	FC-H3-102, FC-UC-302	
MU-TAOX02 MU-TAOX03 MU-TAOX12	8 AO	8 AO	FC-H3-CAB-012-AO	Cable only
MU-TDIY22 MU-TDIY62	32 DI 24 Vdc	32 DI 24 Vdc	FC-H3-CAB-011, FC-UC-102	Interface panel and cable
MU-TDID12			FC-H3-121, FC-UC-305	
MU-TDIA12			FC-H3-122 OR FC-H3-122-2, FC-UC-305	
MU-TDOA11 MU-TDOA12 MU-TDOA13	32 DO	32 DO	FC-H3-130-AC240, FC-UC-305	
MU-TDOD11 MU-TDOD12 MU-TDOD13			FC-H3-130-DC30, FC-UC-305	
MU-TDOD21 MU-TDOD22 MU-TDOD33			FC-H3-130-DC200, FC-UC-305	
MU-TDOR12 MU-TDOR22 MU-TDOY23	16 DO Relay	32 DO	FC-H3-126, FC-UC-305	
MU-TDON12 MU-TDON52	8 DO	8 DO 24Vdc isolated (two)	FC-H3-CAB-020-DO	Cable only
MU-TPIX12	8 PI	multi-function card (two)	FC-H3-140, FC-UC-302	Interface panel and cable

The 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:

Asia Pacific:	65.777.8211
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

...or call us at:

Asia Pacific:	65.777.8211
Europe, Middle East, Africa:	48.22.630.2443
North America, Latin America:	+1 412.963.4000

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