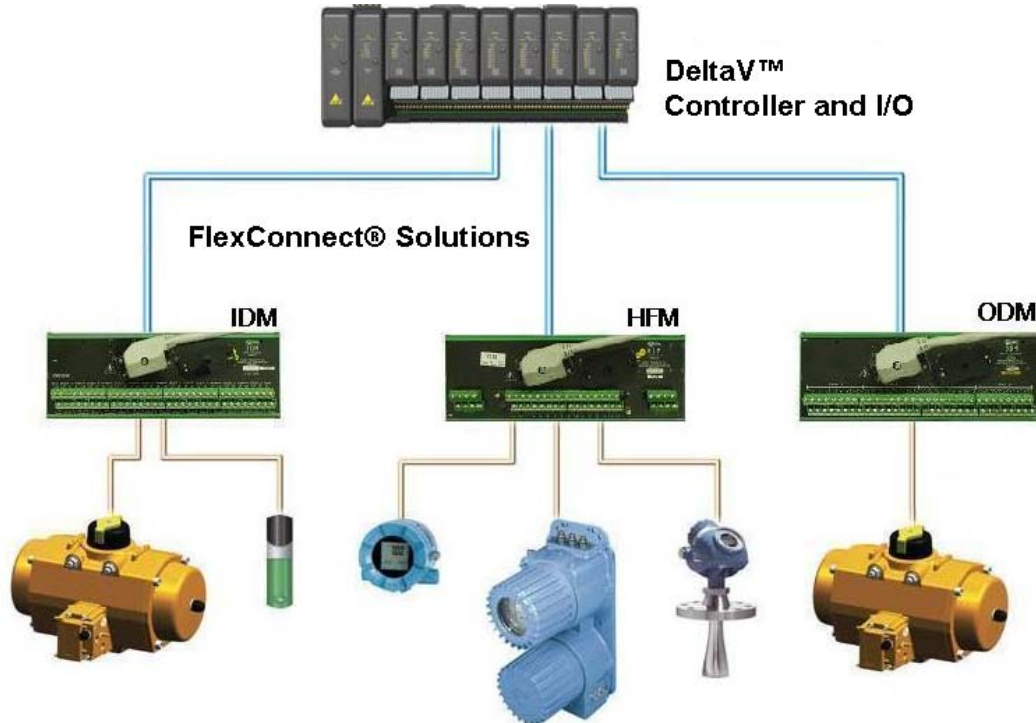




## FlexConnect® Solutions for Moore® Systems



FlexConnect® solutions protect your wiring investment as you convert from Siemens Moore® APACS® 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 Moore® APACS® or QUADLOG® system to a new DeltaV™ system, consider FlexConnect® Solutions for Moore® Systems.

### Benefits

**Reduce business risks by minimizing process downtime.** This solution brings device signals to DeltaV I/O from existing Moore 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 Moore system field terminations to DeltaV I/O card terminations. Most solutions use replacement cables for the original Moore Marshaled Termination Assemblies (MTA) to I/O card cables. To simplify installation, Emerson pre-wires these cables to DeltaV termination blocks.

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

### Analog I/O

#### ■ SAM

Thirty-two points can be configured on the SAM as analog or discrete inputs or outputs. A SAM FlexConnect solution requires replacing the original SAM panel. Lifting wires at the original termination panel is necessary to connect the original SAM points to new DeltaV I/O. The other FlexConnect solutions connect directly to existing Moore MTA's.

#### ■ EAM

Sixteen analog or digital inputs or outputs connect to two 8 channel DeltaV cards. Frequency inputs connect to 4 channel DeltaV Multifunction cards.

#### ■ HFM

Sixteen HART analog inputs connect to two 8 channel DeltaV AI HART cards.

#### ■ VIM

Sixteen voltage analog inputs connect to four 4 channel DeltaV isolated voltage input cards.

#### ■ RTM

Sixteen RTD Analog Inputs connect to two 8 channel DeltaV RTD cards.

## Discrete I/O

#### ■ IDM

Thirty-two discrete inputs connect to a 32 channel DeltaV DI card for dry contacts using a FlexConnect interface panel and cable. An alternative solution cable connects to four 8 channel DeltaV 120 Vac DI Isolated cards.

#### ■ ODM

Thirty-two discrete outputs connect to a 32 channel DeltaV DO card using a FlexConnect interface panel and cable. An alternative solution cable connects to four 8 channel DeltaV 120 Vac DO Isolated cards.

#### ■ SDM

Thirty-two discrete inputs and outputs connect to 8 channel DeltaV DIO cards.

#### ■ SDM Relay

Thirty-two relays connect to a 32 channel DeltaV DO card.

## IO Cable Extenders

This FlexConnect solution *keeps* the original Moore MTA to I/O card cable. The cable extender mates with the Moore MTA cable on the I/O card side. The extender cable is wired directly to the appropriate DeltaV I/O terminations.



## Ordering Information

For inquiries and ordering information, please contact your local Emerson sales office. For reference, FlexConnect solutions for specific APACS modules are indicated in the following table.

FlexConnect® solutions for Siemens Moore APACS®, organized by APACS Termination Panel.

APACS Module	Signal Type	Channels	Drawing Number	Solution Type
<b>SAM</b>	AI, AO 4-20 mA DI, DO 24V	4x8	FC_MP_SAM, FC-MP-101, FC-UC-302	Replacement Panel and Cable
<b>IDM</b>	DI 24V	32	FC-MP-IDM, FC-UC-204, FC-MP-330, FC-UC-305	Interface Panel and Cable
<b>ODM</b>	DO 24V	2	FC_MP_ODM, FC-MP-202, FC-MP-CAB-321-ODM, FC-UC-305	
<b>IDM</b>	DI 120V	4x8	FC_MP_CAB_IDM	Cable Only
<b>ODM</b>	DO 120V	4x8	FC_MP_CAB_ODM	
<b>VIM</b>	AI isolated	4x4	FC_MP_CAB_VIM	
<b>HFM</b>	AI 4-20mA	2x8	FC_MP_CAB_HFM	
<b>EAM</b>	AI, AO 4-20mA PULSE DI, DO 24V	2x8	FC_MP_CAB_EAM	
<b>RTM</b>	AI RTD	2x8	FC_MP_CAB_RTM	
<b>SDM</b>	DI, DO 24V	4x8	FC_MP_CAB_SDM	
<b>SDM RELAY</b>	DO 24V	32	FC_MP_CAB_RMTA	

The FlexConnect® solution drawings are available upon request.

