

MIGRATION SOLUTIONS

HONEYWELL TDC 2000® AND TDC 3000®

MIGRATION FROM HONEYWELL TDC 2000 AND 3000 DCS TO ROCKWELL AUTOMATION INTEGRATED ARCHITECTURE

Choose your starting point and timing

Don't throw away your previous investment when replacing your entire DCS with Rockwell Automation's Integrated Architecture - use these migration tools and services to migrate intelligently. If you prefer to migrate in phases, Rockwell Automation and its partners with DCS experience will help you manage the process from HMI or partial system upgrades to complete upgrades from DCS to Integrated Architecture. Interoperability of existing controllers and HMI with Integrated Architecture is fully supported. During this migration period, not only can your existing consoles access ControlLogix™ information, but ProcessLinx allows peer-to-peer controller communications between your old BC/ MFC/PM/HPM/APM and your new ControlLogix Processor.

Applicable DCS Hardware

Any TDC 2000/TDC3000 system

- HMI upgrade to RSView® SE from Op Station, Universal Station, Global Universal Station
- Computer connection to Data Highway, LCN (via APP NODE-OPC)
- I/O slaves and their FTA's, see list below
COM module I/O

Integrated Architecture Components

- RSView SE with Honeywell faceplate libraries
- Matrikon OPC Server®
- ProcessLinx OPC interoperability via Matrikon OPC Server and RSLinx®
- ControlLogix Architecture
- 1756 I/O
- DCS specific Cables connect 1756 I/O to Field Termination Units

Rockwell Migration Tools:

- Database conversion from Honeywell console database to RSView SE tags
- Function Block Configuration specs exported to database
- Use your existing field wiring and termination units connected via cable to 1756 I/O
- Graphics Conversion Services
- Audit Services to determine best approach and migration scope
- Configuration Consistency Reports to confirm completeness of conversion and testing

Migration support tools

DCS Audit Services

Important to determine hardware requirements and establish the features to duplicate the functionality that can be upgraded. Downtime and pricing will be estimated for review of alternatives. A complete report will be delivered in a format that can become your RFQ.

- Existing communications architecture
- Existing console locations, graphics, reports, operator needs
- I/O module count by location and channel setup
- Database export from existing system
- Critical functionality interview with your staff
- Needs unfulfilled by the old DCS - improvements desired in new system
- Identify any installation or environmental restrictions

Maintain field connectivity

Conversion cables connect your existing Honeywell Termination Units to 1756 I/O modules without ever lifting a field wire. Field power supplies can remain in place or be easily upgraded. Eliminate the risk of extended loop checks due to crossed wires or mislabeled field cabling. The Honeywell I/O slaves have direct replacements using Integrated Architecture. See tables on the following page.

Configuration Migration

Database conversion services will create RSView import files from your existing OP Stations, US, GUS consoles and configuration files. It will use MFC, PM, HPM and APM database as dumped from your consoles to create the initial FactoryTalk directory as first step in configuration. Reports can be generated that summarize your existing application, flag areas that must be reconfigured manually, and verify consistency of the new versus old configurations. Report formats are included for use in engineering, testing and commissioning of your new system.

Configuration services by experienced Honeywell knowledgeable systems engineers, will use proven tools to merge your old graphics and control loops with the new control strategies that you wish to implement with Integrated Architecture. A combination of automated tools and good engineering practices ensure cost effective conversions without sacrificing performance.

LISTEN. THINK. SOLVE. SM

**Rockwell
Automation**

TDC2000

Part Number	Description
J-RTP00	Digital I/O Terminal Panel
J-RTP10	Analog Input RTP
J-RTP20	Analog Output RTP
J-RTP30	RTP Standby
J-RTP40	Dual DO Terminal Panel
J-RTP50	Pulse Input Remote TP
J-RTP80	Relay DO RTP
J-ETP00	Enhanced DO RTP
C-TCB10	Termination Panel
C-TCB20	Termination Panel
C-TCB30	Termination Panel
C-TCB50	Termination Panel
ETP11	DI Panel (no relays)
ETP13	Relay TP (no relays)
4DP7APCFA107	Point Card File (empty)
4DP7APCFC207	Point Card File (empty)

TDC3000

Part Number	Description
J-RTP00	Digital I/O Terminal Panel
J-RTP10	Analog Input RTP
J-RTP20	Analog Output RTP
J-RTP30	RTP Standby
J-RTP40	Dual DO Terminal Panel
J-RTP50	Pulse Input Remote TP
J-RTP80	Relay DO RTP
J-ETP00	Enhanced DO RTP
C-TCB10	Termination Panel
C-TCB20	Termination Panel
C-TCB30	Termination Panel
C-TCB50	Termination Panel
ETP11	DI Panel (no relays)
ETP13	Relay TP (no relays)
4DP7APCFA107	Point Card File (empty)
4DP7APCFC207	Point Card File (empty)

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