

## Migrate ABB Bailey Infi 90 or Network 90 Legacy DCS Systems to Allen-Bradley ControlLogix PACs

### OVERVIEW

The RA56-cATM-BLY90 installs in a ControlLogix® Programmable Automation Controller (PAC) from Rockwell Automation® and makes it easier to integrate legacy ABB Bailey® Infi 90™ or Network 90™ DCS systems with ControlLogix® PACs. A straight-forward graphical interface allows you to map ABB Bailey DCS data blocks into ControlLogix tags or structures. Data can be transferred bi-directionally between the two systems at configured rates.

The RA56-cATM-BLY90 appliance positions ControlLogix PACs for phased implementation to eliminate many of the costs, risks and complexities involved with migrating DCS systems. ControlLogix PACs provide a single platform for integrating both process and discrete applications.



### PACKAGED INDUSTRIAL SOLUTION

- Module contains all application software and configuration tools
- Automatic restart on power loss
- Locked down embedded operating system

### PHASED MIGRATION

- No changes are required to the Bailey system enabling a phased migration as schedule and budget allow
- Connects to Bailey InfiLoop via a serial CIU

### EASY CONFIGURATION

- "Configure and go" - no programming required
- Backup/restore/ Import/export of configurations
- Configured via an Ethernet 10/100T port using remote desktop
- No additional configuration software required
- Support for local and remote PAC controllers
- Simple, yet comprehensive tag mapping:
  - Includes attributes such as item names, description and data source
  - Scaling conversion tables are available to convert raw or discrete values from one system to the other

### FLEXIBLE DATA HANDLING

- Supports all Bailey DCS Block functions:
  - Exception report blocks
  - Supervisory control of block data
  - System status monitoring:
    - Problem reporting
    - General block output polling
    - Block configuration reading and tuning

### REDUNDANCY FOR CRITICAL APPLICATIONS

- Two RA56-cATM-BLY90 appliances can be configured for automatic failover should either one lose connectivity to the Bailey system

### SECURE

- Security features prevent unintended or unauthorized operation
- cATM appliances have better security and reduced vulnerability to attack than PC based solutions

### ABB BAILEY DATABASE CONVERSION TOOL

- Converts ABB Bailey console database into CSV files for import of tag definitions into the RA56-cATM-BLY90 appliance, RSLogix 5000 programming software, and FactoryTalk View software.
- Sample code included for ensuring data integrity in redundant configurations
- Available from Rockwell Automation or through select Solution Providers

## HARDWARE & ENVIRONMENTAL

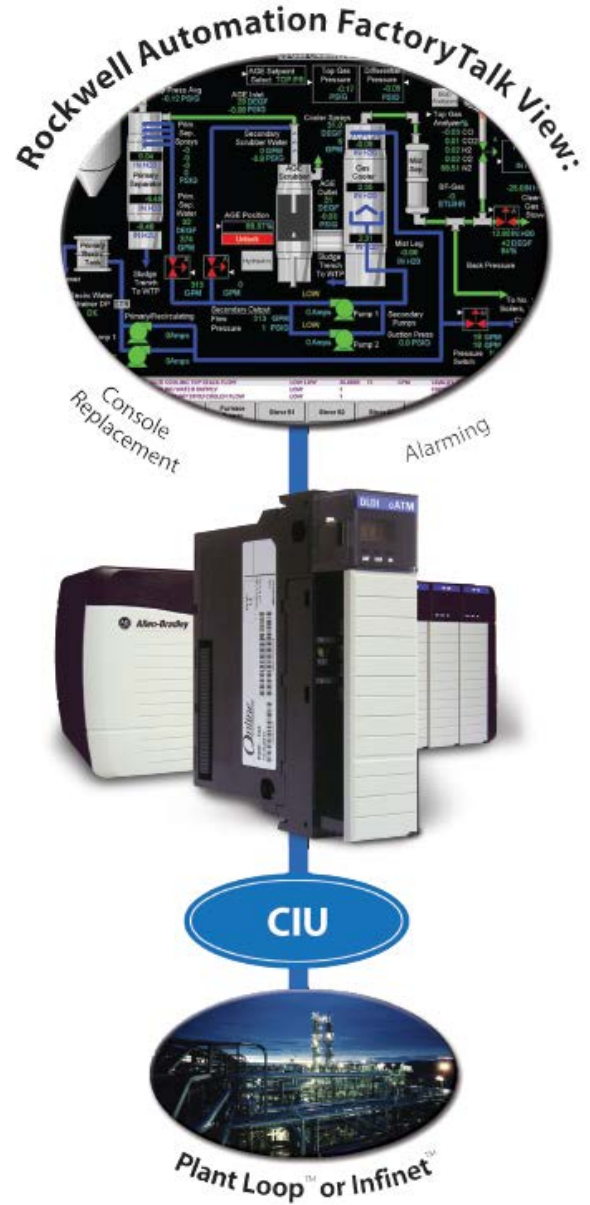
- ControllLogix single-slot module
- Temperature: Non-operating: 0°C to +85°C  
Operating: 0°C to +60°C
- Humidity: 5 - 95% non-condensing
- Vibration: 2g @ 10 - 500Hz
- Shock: Non-operating: 50g  
Operating: 30g
- Power dissipation: 7 Watts at 5VDC:

## ABOUT ONLINE DEVELOPMENT INC. (OLDI)

OLDI designs and manufactures factory automation products to help manufacturers simplify data transaction, control and communications tasks.

Products include Appliance Transaction Modules (ATM) for both Enterprise and Controller-level data exchange. Enterprise Appliance Transaction Modules (eATMs) simplify and manage the exchange of data between general-purpose computer systems at the plant and enterprise level with factory floor controllers. Controller Appliance Transaction Modules (cATMs) enable connectivity to many brands and types of PLCs/PACs and DCS.

OLDI also has a line of open control products to enable the development of special applications in PLC/PAC and panel-mounted versions.



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