

The Bailey NETWORK 90 / INFI 90 DCS Server is a Microsoft® Windows™ based program that acts as a communications server allowing other Windows applications access to the Bailey 90 and INFI 90 DCS equipment. Any Windows based program capable of acting as a DDE, FastDDE, SuiteLink™, or OPC client may use the Server. The Server communicates with the equipment's network via the RS232 ports on the personal computer and the Communications Interface Unit (CIU/ICI) or Serial Port Module (SPM) on the equipment.

Features

- Interfaces to the NETWORK 90 / INFI 90 through the SPM, CIC01, CIU01, CIU02/03, and CIU04.
- Minimizes system message traffic by dynamically calculating and optimizing poll lists to read only client-requested items/points.
- Supports multiple topics, allowing multiple scan rates to be used for polling items/points.
- Status flags are supported for each point to track whether the quality of the point is good or bad.
- Automatically resets and reestablishes communications with the NETWORK 90 / INFI 90 after losing communications.
- Communicates with multiple DDE clients and coexists with other DDE servers.
- Supports standard DDE among multiple applications.

Accessible Point Types

Type	<i>(Description)</i> Function Code	Digital	<i>(Digital out to the loop)</i> Function Code: 45
Status	<i>(Module Status, any module)</i>	Analog	<i>(Analog out to the loop)</i> Function Code: 30
DD	<i>(Device Driver)</i> Function Code: 123	MSDD	<i>(Multistate Device Driver)</i> Function Code: 129
Station	<i>(Station)</i> Function Code: 21, 22, & 80	RCM	<i>(Remote Control Memory)</i> Function Code: 62
Error	<i>(CIU Error Code)</i>	RMC	<i>(Remote Motor Control)</i> Function Code: 136
Timesync	<i>(Set Time and Date)</i>	RMSC	<i>(Remote Manual Set Constant)</i> Function Code: 68
RBO	<i>(Read Block Output (only supported type for SPM option))</i>		
QuickResponseXR	<i>(Speed up Exception Reporting on a point)</i>		
Lstation	<i>(Local Station (Does not require switch to computer mode to change SP, CO, RA or station mode))</i> Function Code: 21, 22, & 80		

Status Types

Analog and Remote Manual Set Constant (RMSC)	Report Specs for Analog
Report Specs for Remote Control Memory	Station or LStation
Report Specs for Remote Manual Set Constant	Report Specs for Station or LStation
Digital	Report Specs for Digital
Read Block Output (only supported tag type for SPM option)	Device Driver (DD)
Remote Control Memory	Module Status
Remote Motor Control	Multistate Device Driver

Special Utility Conversion

Bailey® Console to FactorySuite InTouch Converter translates Bailey® graphic display files (.DT) and tag database files (.DBF) and automatically generates InTouch graphic displays (including animation links) and the InTouch tag database for use with Bailey® NETWORK90®/INFI 90® and Bailey® semAPI INFI 90® SCSI/Serial servers. The following Bailey® consoles are supported: MCS, MCS Plus, LAN90 PCV, OIS 10,11,12, OIS 20, OIS 30, OIS 40, and any Bailey® console utilizing graphic .DT files.

Specifications

Computer Interface	RS-232 connection to SPM, CIU, or CIC.
Baud Rates Supported	300, 1200, 2400, 4800, 9600, 19200.
Polling Rates	55 milliseconds or slower.



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