

Bailey DCS Serial Communication Protocol

The Bailey driver implements communication with INFI 90 Distributed Control Systems via Serial communication. It operates as a Master on serial networks. Only the pooling commands are enabled for this driver.

Summary Information

Communication Driver Name: Bailey
Implementation DLL: T.ProtocolDriver.Bailey
Protocol: Proprietary
Interface: Serial
Supported Types:

Type	Read	Write	Description
AIL	Yes	Yes	Analog
DD	Yes	Yes	Device Driver
DI	Yes	Yes	Digital
MSDD	Yes	Yes	Multistate Device Driver
RCM	Yes	Yes	Remote Control Memory
RMCB	Yes	Yes	Remote Motor Control
RMSC	Yes	Yes	Remote Manual Set Constant
STN	Yes	Yes	Control Station
TEXT	Yes	Yes	Text Selector
BLK	Yes	Yes	Block Any Function Code

Channel Configuration

Settings

Set the fields according to the device's serial port configuration

Node Configuration

Station Configuration

The syntax for the Bailey Station field is: <Ring>.<Node>.<Module>

Where:

- **<Ring>** indicates the Ring where the block is
- **<Node>** indicates the Node where the block is
- **<Module>** indicates the Module where the block is

E.g: 1.35.2

Point Address Configuration

The syntax for the Bailey communication point is: <Block>:<Type>:<Value>

Where :

- **<Block>** indicates the Block that wants to communicate
- **<Type>** indicates the Function Code type. The valid values are:

Type	Description
AIL	Analog
DD	Device Driver
DI	Digital
MSDD	Multistate Device Driver
RCM	Remote Control Memory
RMCB	Remote Motor Control
RMSC	Remote Manual Set Constant
STN	Control Station
TEXT	Text Selector
BLK	Block Any Function Code

- **<Value>** indicates each Read or Write item

E.g.:

- 1363:DD:Output
- 1632:STN:Spec4

Troubleshoot

The status of the driver's execution can be observed through the diagnostic tools, which are:

- Trace window
- Property Watch
- Module Information

The above tools indicate if the operations have succeeded or have failed. A status of 0 (zero) means communication is successful. Negative values indicate internal driver errors, and positive values indicate protocol error codes.