Hanning & Kahl HCS-R

Description

The Hanning & Kahl HCS-R driver allows the transfer of data from devices over RS-232 HCS-R protocol. Data is read from HCS-R and current data stored in a specified memory area. The driver can store the data with its loop data status in distinct memory areas depending on whether the data is on loop or from loop. The driver is based on section 10.5 of Hanning & Kahl - part number 40801121. The FieldServer can act as a Client or Server.

Connection Facts

FieldServer Mode	Nodes	Comments
Client	1	Only 1 virtual client per port allowed on Multidrop systems
Server	1	This is a protocol limitation

Formal Driver Type

Serial, Client or Server

Compatibility

FieldServer Model	Compatible	FieldServer Model	Compatible
ProtoCessor	Yes	QuickServer FS-QS-10xx	No
ProtoCarrier	Yes	QuickServer FS-QS-12xx	Yes
ProtoNode	Yes	QuickServer FS-QS-20xx	Yes
ProtoAir	Yes	QuickServer FS-QS-22xx	Yes
		QuickServer FS-QS-3x10-F	Yes

Connection Information

Connection Type: RS-232

Baud Rates: 9600 (Vendor Limitation)

Data Bits: 8 (Vendor Limitation)

Stop Bits: 1 (Vendor Limitation)

Parity: None (Vendor Limitation)

Multidrop Capability: Yes

Devices Tested

Device	Tested (Factory, Site)
HCS-R-R"– part # "44.745.033	Site

Communication Functions

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Digital Input	Data bits
	Loop number and loop status

Read Operations Supported

FieldServer as a Client	FieldServer as a Server
Poll (including Sync and Acknowledge)	Response along with loop number and status