

## Description

The CB-Link driver allows the FieldServer to transfer data to and from devices over RS-485 using CB-Link protocol. Refer to “Model 833-2771 CB-Link” Manual #65-0216 and “Model 833-2757 General Purpose Interface ControlBus Module” Manual #65-0220 from Cleaver Brooks.

## Formal Driver Type

Serial, Client only

## Compatibility

FieldServer Model	Compatible
ProtoCessor	No
ProtoCarrier	No
ProtoNode	No
ProtoAir	No

FieldServer Model	Compatible
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	Yes
QuickServer FS-QS-20xx	Yes
QuickServer FS-QS-22xx	Yes

## Connection Information

**Connection Type:** RS-485 (Two wire, Half-Duplex)

**Baud Rates:** 9600 (vendor limitation)

**Parity:** None

**Multidrop Capability:** Yes

## Devices Tested

Device	Tested (Factory, Site)
Cleaver Brook Hawk, EC78XX Honeywell Link	Site

## Supported Communication Functions

If having problems trying to establish the caterpillar Node\_ID, set the Node\_ID to 0 in the configuration. Watch the error screen on reboot-the remote device will usually send a message back with an error stating that it cannot accept a response message from a certain Node\_ID. That Node\_ID is the relevant Node\_ID.

The FieldServer cannot be connected directly to the generator/engine controller but must be connected via the CCM module.

The FieldServer can accept any information transmitted by the CB Hawk, including:

- Program, operate, auto, man, rem modes
- Flame failure
- Gas pressure Sensor high/low
- Fuel selection
- Atomizing air off
- Steam pressure, water temperature, oil pressure sensor information
- Lockout and pre-ignition interlock
- AC line frequency
- Excess AC line noise
- Damper motor
- Replace battery
- Fuel selection, recycle limits, oil pressure, oil temperature, lockout/interlock, open oil drawer hold
- Standby, prepurge, pilot ignition, fuel change, main ignition, run, post purge, safety shutdown
- Low fire cutoff, flame detected, test switch, damper motor holds
- Call Cleaver Brooks service

## Device Information Table

Network Interface Unit		
Make	Model	Name
Honeywell	Q7700	Network Interface Unit
Cleaver Brooks	833-2771	CB-Link

Control Modules					
Make	Model No. of Module	Module Name	Property File Name (.BP1;,.BP2)	Configuration File Name (.CSV)	Notes
Honeywell	QS7700A	BCS7700	N/A	N/A	
Honeywell	QS7800A	7800 SERIES Control	N/A	N/A	
Honeywell	QS7800C	QM40XX Data Acquisition Module	ON REQUEST	QM40XX	Data Acquisition Modules
Armstrong	QS7800D	Trapscan System	On Request	On Request	
Honeywell	QS7800E	PulsaFeeder PULSAtrol	PULSA	PULSA	
Honeywell	QS7800A	S7830 Expanded Annunciator	S7830	S7830	Expanded Annunciator
Honeywell	QS7800A	S7800 Keyboard/Display Module	S7800	S7800	
Honeywell	QS7800A	ST7800 Relay Module	ST7800		Requires S7800 module
Honeywell		RM7800E,G,L,M Relay Modules	RM78XX	RM78XX	
Honeywell		RM7840E,G,L,M Relay Modules	RM78XX	RM78XX	
Honeywell	N/A*	Q7700A,B			
CB-Link	833-2727	Display Module	N/A	N/A	
CB-Link	833-2729	Data Control Bus Module	N/A	N/A	
CB-Link	833-2734	CB 783	On Request	On Request	Requires 833-2727 or 833-2729 on module
CB-Link	833-2734	CB 780	On Request	On Request	
CB-Link	833-2734	CB 784	On Request	On Request	

\* The chassis that the above modules plug into.

**NOTE: SYSNet is the generic name for networks of the listed modules. Controlbus is the generic name for the networks in a NIM/CBLink configuration.**