

1 DESCRIPTION

The Silent Knight Gateway Command (SKgwcmd) Driver allows the FieldServer to transfer data to and from devices over either RS-232 or RS-485 using Silent Knight Gateway Command (SKgwcmd) Driver protocol. The Silent Knight Gateway Command (SKgwcmd) Driver is based on the protocol specification "Gateway Command Set Specification 5820 Intellinight System rev D.2 dated 11 July 2000"

The Silent Knight Gateway Command driver can serve as an active Client as well as emulate a Silent Knight 5820 device in Server mode.

The Silent Knight unit's serial port settings are configurable. The FieldServer device can be configured to match all Silent Knight port settings.

1.1 Connection Facts

FieldServer Mode	Nodes	Comments
Client	1	The serial port on the Silent Knight Unit's is not addressable and the protocol does not support node identification. Therefore, only one Silent Knight Unit can be connected to each port on the FieldServer.
Server	1	

2 FORMAL DRIVER TYPE

Serial

Client or Server

3 COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x30	Yes
SlotServer	Yes
ProtoNode	No
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	Yes
ProtoCessor FPC-ED2	Yes
ProtoCessor FPC-ED4	Yes

4 CONNECTION INFORMATION

Connection type: RS-232 or RS-485
(Two wire, Half-Duplex)

Baud Rates: Standard Baud Rates up to 19200 (SK Device Limitation)

Data Bits: 7, 8

Stop Bits: 1,2

Parity: Even, Odd, None,
(SK Device Limitation)

Multidrop Capability: No

5 DEVICES TESTED

Device	Tested (FACTORY, SITE)
Silent Knight 5820XL IntelliKnight System rev D.2	SITE
IFP-1000	SITE
Silent Knight 5808 IntelliKnight System	Untested
Silent Knight 5700 IntelliKnight System	Untested
IFP-50	Untested
IFP-100	Untested

6 COMMUNICATIONS FUNCTIONS - SUPPORTED FUNCTIONS AT A GLANCE:

6.1 Read Operations supported

FieldServer as a Client	FieldServer as a Server
General System Status	General System Status
System Trouble Status	System Trouble Status
General Zone Status	General Zone Status
Expanded Zone Status	Expanded Zone Status
Zone Description	Zone Description
Output Group Status	Output Group Status
Output Group Description	Output Group Description
Point Status	Point Status
Point Description	Point Description
Time Status	Time Status
Gateway Version	Gateway Version
Disable Point	Disable Point
Enable Point	Enable Point
Reset Alarms	Reset Alarms
Silence	Silence
Time Synch	Time Synch

6.2 Write (Control) Operations Supported

FieldServer as a Client	FieldServer as a Server
General System Status	General System Status
System Trouble Status	System Trouble Status
General Zone Status	General Zone Status
Expanded Zone Status	Expanded Zone Status
Zone Description	Zone Description
Output Group Status	Output Group Status
Output Group Description	Output Group Description
Point Status	Point Status
Point Description	Point Description
Time Status	Time Status
Gateway Version	Gateway Version
Disable Point	Disable Point
Enable Point	Enable Point
Reset Alarms	Reset Alarms
Silence	Silence
Time Synch	Time Synch