FieldServer Protocol Driver Sheet
Lutron eLumen Zone/Area Machine

FS-8700-97 Version: 1.04 / Rev. 1

1 DESCRIPTION

The Lutron Machine driver allows the FieldServer to transfer data to and from devices over RS-232 using Lutron eLumen protocol. The FieldServer can emulate either a Server or Client, although the Lutron Machine driver is only available in Client configuration. Server drivers are for FieldServer testing purposes only.

1.1 Connection Facts

FieldServer Mode	Nodes	Comments
Client	1	Only one Lutron Machine driver Client node is able to be connected to a Lutron eLumen panel.
Server	1	One BACNet IP node provides an interface to the Lutron eLumen panel.

The Lutron Grafik Machine Zone/Area Machine driver, hereafter simply referred to as the Lutron Machine driver, provides a BACNet IP interface to a Lutron eLumen panel. The driver can be configured to represent zones or areas as used in the Lutron eLumen panel. The FieldServer acts as both Client and Server to provide BACNet objects to an external BACNet Client. In Server mode, the FieldServer collects data from the eLumen panel and holds the data ready for reads from an external BACNet Client. In Client mode, the FieldServer executes pre-defined commands on the eLumen panel, for example, running scripts.

2 FORMAL DRIVER TYPE

Serial

Client Only

3 COMPATIBILITY MATRIX

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

4 CONNECTION INFORMATION

Connection type:	RS-232 or RS-485
Baud Rates:	9600
Data Bits:	8
Stop Bits:	1
Parity:	None
Multidrop Capability:	No

5 DEVICES TESTED

Device	Tested (FACTORY, SITE)
Lutron Grafik 6000	SITE

6 COMMUNICATION FUNCTIONS – SUPPORTED FUNCTIONS AT A GLANCE

6.1 Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	Zone Intensity, Last Scene number
Binary Input	Relay status, Scene on status
Analog Output	Desired Intensity, Desired Scene, Scripts
Binary Output	Scripts
Multistate Output	Scripts
Analog Value	System variables
Binary Value	System variables

6.2 Read and Write Operations supported

FieldServer as a Client	FieldServer as a Server
Read Analog Input Status:	Provide Analog Input Status:
Get Zone Intensity, Get Area Status	Get Zone Intensity, Get Area Status
Read Binary Input Status:	Provide Binary Input Status:
Get Zone Intensity, Get Area Status	Get Zone Intensity, Get Area Status
Read Analog Value Status:	Provide Analog Value Status:
Get System Variable Value	Get System Variable Value
Read Binary Value Status:	Provide Binary Value Status:
Get System Variable Value	Get System Variable Value

6.3 Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required

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