



FieldServer Driver – Serial FS-8700-84 Lutron Grafik 6000

Description

The FieldServer Lutron Grafik 6000 driver implements the following functionality:

- 1) Status monitoring of Grafik 6000 system data and parameters.
- 2) System Control of Grafik 6000.

Status monitoring is achieved by sending status requests to the Grafik 6000 system. Retrieved status data are collected and stored in FieldServer data arrays that allow access by other protocols.

System Control Commands can be configured in the bridge to address any groups of Areas, Zones or Scenes. A mechanism is provided by which the parameters are set before the command is triggered using the upstream protocol.

Commands will be provided to read the names of Areas, Zones and Scenes from the Grafik 6000 system so that SCADA systems that can take advantage of these will be able to do so.

Connection Information

Connection type: EIA232
Baud Rates: 2400; 9600; 19200; 38400 Baud
Data Bits: 8
Stop Bits: 1
Parity: None

Devices tested:

Device	Tested
None	None

Connection configurations

Pin-out Grafik 6000
Pin 2 Data Out
Pin 3 Data In
Pin 5 common



Communications functions

Supported functions at a glance:

FieldServer as a client driver
Read System Names:
Get Area Names Get Scene Names Get Zone Names
Read System Status:
Get Area Status Get Timeclock Status Get Wallstation Status Get Switch Status Get Zone Intensity Get Time Now Get Astro Times Get Date Get Code Revision Level Get Boot Code Revision Level Get Serial Number Get System Variable Value
System Zone Control:
Halt Zone Toggle Zone Output Level Fade Zone to Level Ramp Up Zone Intensity Ramp Down Zone Intensity Pommel or Pulse Zone Intensity Multi Level (Flash or Warn or Chase) Zone Intensity Ramp Scene Zones Up Ramp Scene Zones Down Stop Scene Ramp Up or Down
System Scene Control:
Select System Scene Select System Scene using Override Times Output Temporary Scene Select Scene in Area
System Timeclock Control:
Disable Until Enable Issued Disable Until End of Day or Enable Issued Re-enable with Complete Catchup Re-enable and do Previous Event Standard Re-enable New Schedule Set Timeclock
Wallstation Control:
Enable Wallstation



Protocol Driver



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Disable Wallstation
Simulate Wallstation Switch Press
Simulate Wallstation Switch Release
Run Script
Set System Variable
Toggle System Variable
Enabling Switch Presses and Releases Reporting
Disabling Switch Presses and Releases Reporting
Listening to Switch Presses and Releases



Protocol Driver



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Revision History

Date	Driver Version	Document Revision	Comment
23 March 02	NA	0	Create first version
24 April 02	NA	1	Updates after customer review
10 May 02	1.00a	2	Added switch reporting and name retrieval commands

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