



## **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:** RS-232  
**Baud Rates:** 2400; 9600; 19200; 38400 Baud  
**Data Bits:** 8  
**Stop Bits:** 1  
**Parity:** None

#### **Devices tested:**

<b>Device</b>	<b>Tested</b>
Lutron Grafik 6000 panel	Factory

### **Connection configurations**

<b>Pin-out Grafik 6000</b>
Pin 2 Data Out
Pin 3 Data In
Pin 5 common



## Communications functions

Supported functions at a glance:

<b>FieldServer as a client driver</b>
<b>Read System Names:</b>
Get Area Names Get Scene Names Get Zone Names
<b>Read System Status:</b>
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 Request Panel Emergency Status
<b>System Zone Control:</b>
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 Stop Scene Ramp Down
<b>System Scene Control:</b>
Select System Scene Select System Scene using Override Times Output Temporary Scene Select Scene in Area
<b>System Timeclock Control:</b>
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  
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

### Revision History

Date	Driver Version	Document Revision	Comment
03/23/02	1.00	0	Create first version
04/24/02	1.00	1	Updates after customer review
05/10/02	1.00	2	Added switch reporting and name retrieval commands
09/23/02	1.01	0	Added stop scene ramp down command
12/31/02	1.02	0	Added request panel emergency status command
8/20/03	1.02	1	Releasing