FAN & LIGHT CONTROL SOLUTION

FAN/LIGHT CONTROL SOLUTION

– INTRODUCTION –

- What is SmartDisplay™?
- Fan & Light Control Overview
- Features & Benefits
- General Specifications
- Resources

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– WHAT IS SMARTDISPLAY? –

"COMBINING A GRAPHIC PROGRAMMABLE DISPLAY WITH AN ELECTROMECHANICAL SWITCH, SMARTDISPLAY IS A SPACE-SAVING, DYNAMIC, MULTI-FUNCTION DEVICE."

- Fully programmable, HMI solution
- Electromechanical, space-saving device
- Some models are capable of full motion video display
- Integrates easily with embedded systems
- Tactile feel

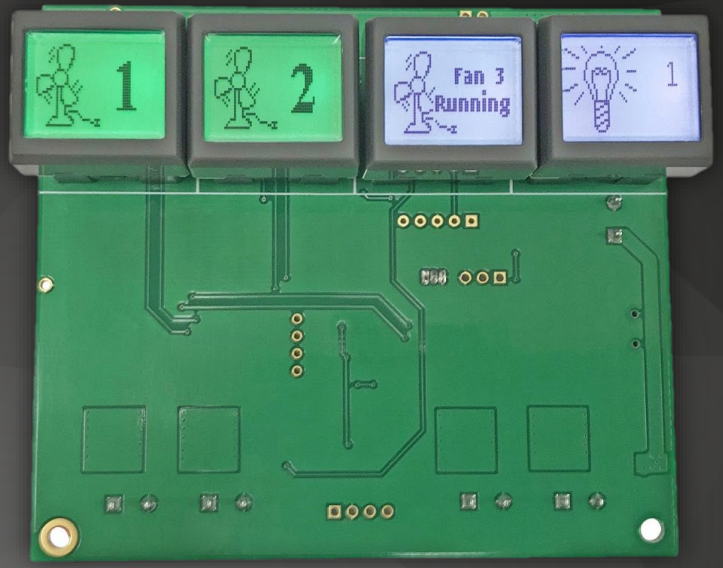
The Fan/Light Control Solution uses
4 SmartDisplay LCD 64x32 Pushbuttons
(IS-S04G1LC-S)

NKK SWITCHES

FAN/LIGHT CONTROL SOLUTION

– FAN & LIGHT CONTROL OVERVIEW –

- Human-Machine Interface designed to control fans and lighting for (but not limited to):
  - RV, home, business, and industrial applications
- 4 Compact LCD SmartDisplay pushbuttons
- May be entirely pre-programmed or customized
- Monitors temperature (C/F) with onboard sensor
- Easy installation & operation
- Designed for standalone operation



NIKK SWITCHES

FAN/LIGHT CONTROL SOLUTION

– FEATURES & BENEFITS –

- Each SmartDisplay controls one 12V fan or light with eight levels or speed/brightness
- Subsystems with any number and configuration of SmartDisplay switches
- Designed for standalone operation
- Different images and backlights for ON/OFF may be user defined
- Toggle between ON/OFF by pressing and releasing corresponding switch
- The subsystem can sense and/or control various status, gauges and devices
- Communication for the subsystem can be USB, Ethernet, CAN, RS232, RS485, etc.

Fan/Light Control Installation in RV

VIEW FULL DATASHEET >>

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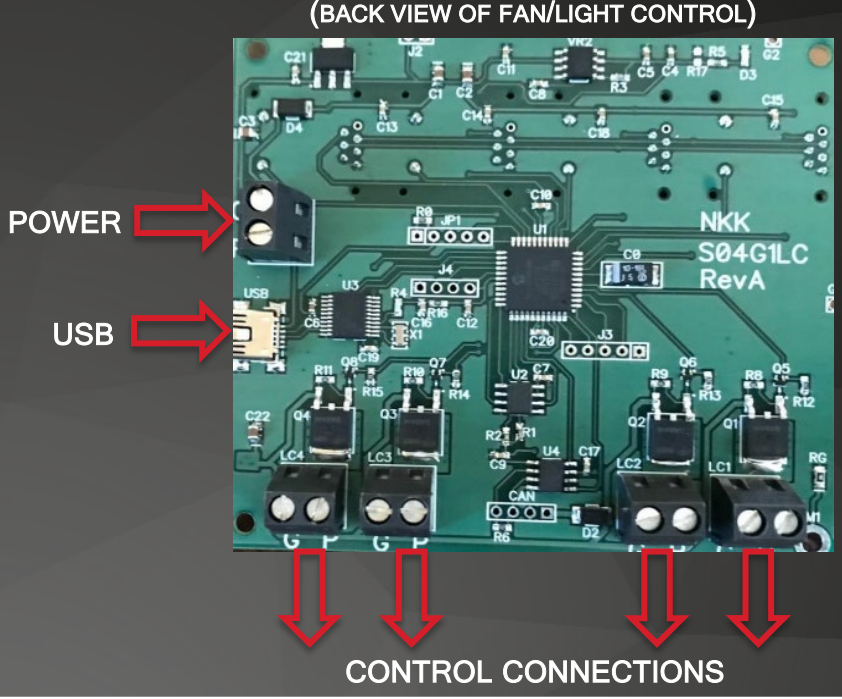
– GENERAL SPECIFICATIONS –

- Input Voltage
  - 7V to 12V; Up to 30V possible by adding a heatsink to the voltage regulator
- Device Current
  - 100mA to 250mA (depends on backlight brightness and colors; does not include light/fan current consumption)
- Fan/Light Current
  - 2 A Maximum
- Operating Temperature
  - -15°C ~ +50°C (+5°F ~ +122°F)

VIEW USER MANUAL >>

(BACK VIEW OF FAN/LIGHT CONTROL)



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– RESOURCES –

- To help simplify development, NKK offers Engineering Kits with schematic and source code for all SmartDisplays.
- Engineering Kits Communicator, a free Windows based software, is available to test and download images for communication to various controllers.
- All documentation to get started is on NKK's website https://www.nkkswitches.com/SmartDisplay-resources/
- NKK Switches provides a full suite of design solutions for upgrading and enhancing user interface.
- Facilitating a subsystem to plug into an existing system for a seamless startup, a team of experts can provide system design, ongoing application support, value added services and product assembly.

Please contact engineering@nkkswitches.com with any questions!

– THANK YOU –