A Perfectly Simple Fans & Lights Control Solution

DISTINCTIVE CHARACTERISTICS

- Four SmartDisplay switches for controlling four 12V fans or lights
- SmartDisplay switches are graphic 64 x 32 pixel LCDs with 64 RGB backlight options
- Eight levels of SmartDisplay backlight selected by pressing switch #1 and #4 simultaneously
- Each SmartDisplay controls one fan or light
- Toggle between ON/OFF by pressing and releasing corresponding switch
- Different image and backlight for ON/OFF status
- Images and backlights for ON/OFF are user defined
- Free software for downloading images and backlights via USB
- Fan and light speed and brightness controlled via PWM
- Eight levels of speed/brightness for each fan or light selected by pressing and holding corresponding SmartDisplay
- Speed/brightness and backlight brightness are saved and become the default
- Up to 3A for each fan or light
- Temperature sensor onboard
- Temperature displayed in both C and F on switch #4 when #2 and #3 are pressed simultaneously
- Power and fans/lights connections via two pins terminal blocks
- Designed for standalone operation

For various communications or different functionality, contact factory.
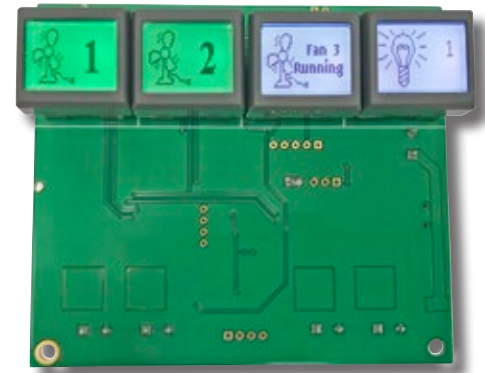
BENEFITS

This SmartDisplay configuration is ideal for use in controlling overhead fans and lighting, whether for an RV, home, business, or industrial application. It is simple to install and operate. The switch display and backlight indicate the mode of operation. The adjustments are easy to follow, and no operator training is required.

Subsystems with any number and configuration of SmartDisplay switches can be designed and supplied by NKK Switches. The subsystem can sense and/or control various status, gauges and devices. Communication for the subsystem can be USB, Ethernet, CAN, RS232, RS485, etc.

To help simplify development, NKK offers Engineering Kits with schematic and source code for all of the SmartDisplays. Engineering Kits Communicator, a free Windows based software, is available to test and download images for communication to various controllers. All necessary 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.

Contact engineering@nkkswitches with any questions.

IS-S04G1LC-S Fan & Light Control

GENERAL SPECIFICATIONS

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

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