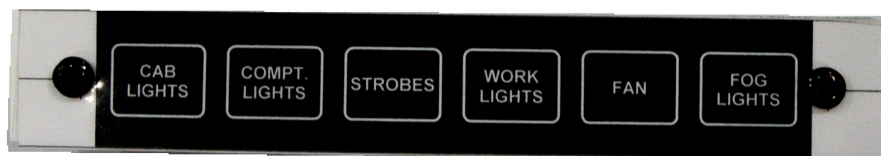
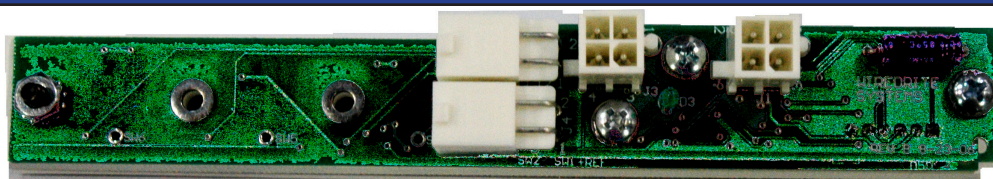


The Flex-Panel® system from Wired Rite is a complete solution for custom vehicle wiring, and is installed as an overlay to the vehicle's pre-existing OEM wiring system. Flex-Panel facilitates the addition of electrical accessories including lights, electronics, and other equipment, and provides smart control of all accessories for safe and reliable operation.

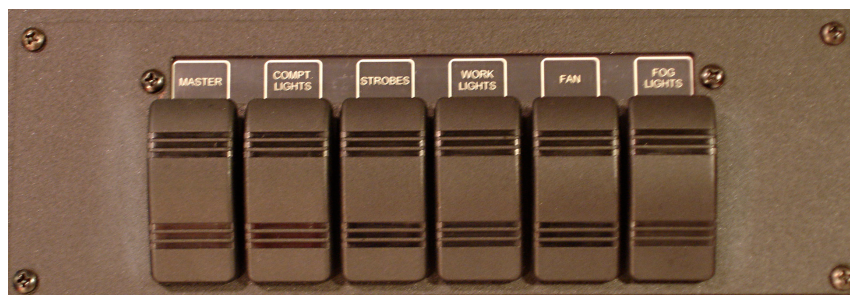


The System Legend Module enables integrators to provide clear labels and ON/OFF status indication for switches and sensors in the system's Switch Panel. The Legend Panel also enables the Switch Panel to become an integral part of the system under the control of the Flex-Panel Control Program.

The Legend Module is usually integrated into the Switch Panel, which is mounted in the dashboard, under the dashboard, or in an overhead location. In Flex-Panel systems, connections to the switch panel are simplified via the standard 4-wire communication link to the rest of the system. There is no need to wire every accessory into the dashboard area, saving

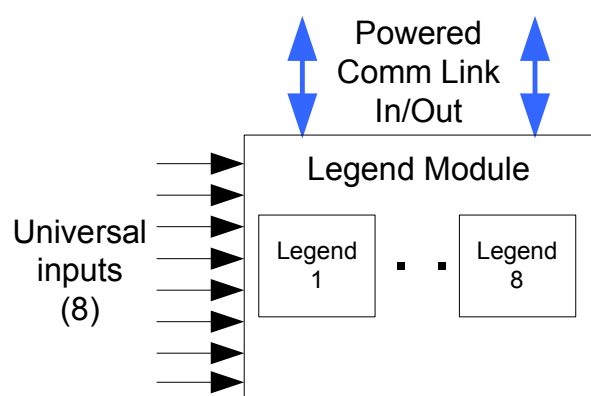
significant time and reducing frustration and rework.

An example switch panel is shown in the photo, along with a standalone Legend Module. The optional Communication Link connects directly to the rest of the Flex-Panel system, enabling accessory control from the dashboard, without running the accessory wiring to the dashboard area. Various switch styles are available to match your application and personal preference. Since the switches are logic inputs, they do not carry the load current, and do not require circuit breakers or fuses. Each switch or sensor is labeled with a clear backlit legend.



Build your own Switch Panel

The Flex-Panel Legend Module provides the user display functions for the system, and is a key enabler to help you build your own Switch Panel. The Legend Module contains 3 to 12 user defined legends for labeling Switch Panel contents, including switch status, sensor status, etc. The Legend Module can be optionally supplied with the Flex-Panel Powered Communication Link to connect to other Flex-Panel modules via the thin, flexible cable harness that is easy to route and install. Power for the Legend Module can be supplied over this cable, so direct connection to battery power is not required.



Universal Inputs	8
LED/Legend Drivers	8
LED Colors	Red, Yellow, or Green, defined in the Control Program
Legend Spacing	0.75 inch or 1.0 inch Centers
# Legends per Module	4 to 8 with 0.75 inch spacing 3 to 8 with 1.0 inch spacing
Legend Characters	User defined at time of purchase; up to 3 rows, each with up to 10 characters per row
OFF indication	OFF or DIM, defined in the Control Program
ON indication	ON or Flashing, defined in the Control Program
Dimensions (inches)	1.0" high x 0.75" deep (1.5" deep with Comms connectors) Length is spacing x #legends plus 0.5" on each end.
Module Current (typ.)	<10mA

Specifications

Universal Inputs. Inputs on Flex-Panel modules are Universal Inputs, and can be used as either analog or digital inputs. Logic signals provided to the Universal Inputs can be 5V or 12V logic, and can be either "Hi True" or "Lo True". LED/Legend drivers (+5V). LED/Legend driver outputs (5V) are typically used for the built-in legends. Individual wires can be soldered into the circuit board for each input.

Default program. The system is pre-programmed to contain a simple one-to-one relationship between each Universal Input and the corresponding Legend Driver. Other custom functionality can also be programmed with the optional Communication Link when the Legend Module is connected to a Power Module.

Communication Link (optional). Each legend module can be equipped (optionally) with two 4-pin connectors for the communications, allowing daisy chain connection with other system modules, via a compact communication wire

harness. Modules are interconnected through the Powered Comm Link (PCL), which uses a four-pin RS-485 interface. Modules in the system are connected in a daisy chain via the PCL cables, which are supplied in various lengths. Power for module operation can be supplied over the power and ground connections in the PCL cables, provided +12V and GND connections are supplied to the PCL connector in any one of the system modules.

Host function. The Flex-Panel host function must be provided by a Power Module in the system. The Legend Module does not support the host function.

Voltage: 9-15V DC from vehicle battery or from connection to Power Module through Powered Comm Link. The processor continues to run when the supply is >7V.

Operating temperature range: -25 to +50 degrees C.

Storage temperature range: -40 to +90 degrees C.