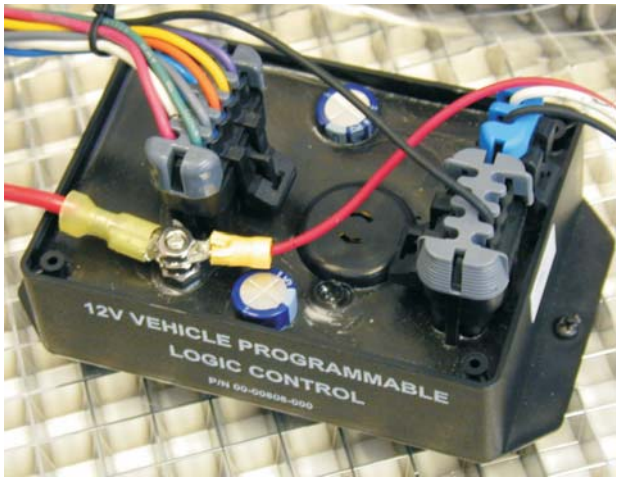
Intellitec
1485 Jacobs Rd. Deland, FL 32724
386.738.7307
www.intellitec.com

Vehicle Programmable Logic Controller (VPLC)

00-00808-000/240 Output/Input Module

Intellitec's **Vehicle Programmable Logic Controller** is designed to provide a flexible switching unit that is programmable by a Windows™-based GUI. **VPLC** is designed to perform a variety of functions including, but not limited to:

- Lighting on small emergency vehicles
- Airport vehicles
- Buses
- Other specialty vehicles



The **Vehicle Programmable Logic Controller** provides ten, solid state, high-side outputs, each capable of carrying 10 amps. Each output can be programmed through a Windows™-based program, using Boolean logic to perform various functions, such as flashers, interior lights, communications equipment, hydraulic valves, interlocks, and timed outputs.

The **VPLC** uses an Intellitec multiplexed communications line with sixteen channels, each capable of being either an input or an output. This allows remote switch panels with as many as 16 switches to communicate with the controller over two non-shielded wires using logic statements such as: *Output = Ignition and Master Switch and Volts >12.*

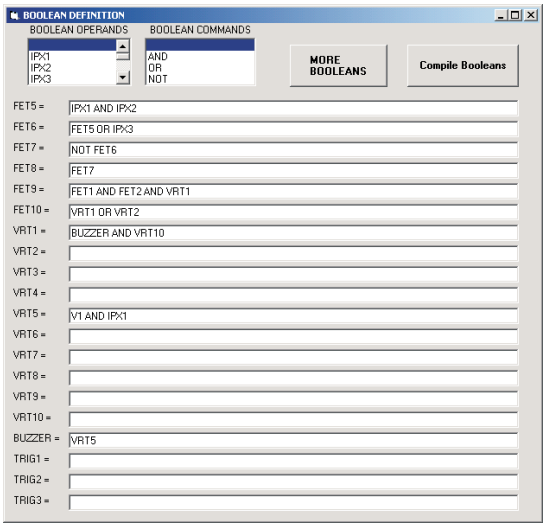
VPLC provides the following features:

- 3 High-side direct inputs
  - Temperature
  - Voltage sensor
  - Event Counter
- 1 Audible Alarm Output
- 16 channels; selectable as Input or Output
- 10 Solid-state, FET outputs
- 10 Virtual channels
- 5 Timers; one-shot or duty timer selectable

The Audible Alarm is built into the potted assembly. It can also be programmed with Boolean logic.

EXAMPLE

VPLC Windows™-based GUI
for programming boolean definitions



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SPECIFICATIONS

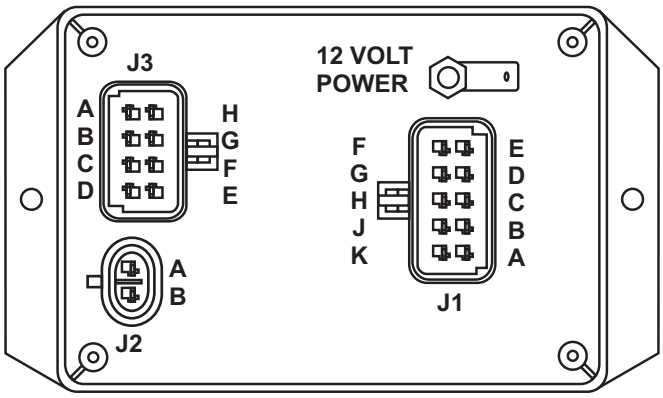
General Connections		00-00808-000	00-00808-240
Nominal Vehicle Voltage		12V	24V
Module Current		15 Amps Max	15 Amps Max
J2-A	PMC Signal	18 AWG Min	18 AWG Min
J2-B	PMC Ground	14 AWG Min	14 AWG Min
J3-B	Power Ground		

NOTE: The FET outputs of channels 1-10 provide a protected source of voltage to the Load from the Battery. The maximum current for the entire module is 50 Amps. Due to the need to dissipate heat, the current being controlled by each output must be considered.

CHANNEL DESIGNATIONS

Outputs	Connection	Rating
Output 1	J1-A	10 Amps
Output 2	J1-B	10 Amps
Output 3	J1-C	10 Amps
Output 4	J1-D	10 Amps
Output 5	J1-E	10 Amps
Output 6	J1-F	10 Amps
Output 7	J1-G	10 Amps
Output 8	J1-H	10 Amps
Output 9	J1-J	10 Amps
Output 10	J1-K	10 Amps

Communications		Inputs
J2-A Ground	J3-A	High-side Input 2
J2-B Signal	J3-B	Ground
	J3-C	Transmit
	J3-D	Receive
	J3-E	Temp Sensor
	J3-F	Temp Sensor
	J3-G	High-side Input 1
	J3-H	High-sideInput 3



VPLC Connections diagram

SWITCH ADAPTER OPTIONS

The initial offering includes 2 accessory options:
00-00904-000 6 button Pushbutton Panel
00-00905-100 10 button Pushbutton Panel

6 button
Pushbutton Panel

10 button
Pushbutton Panel