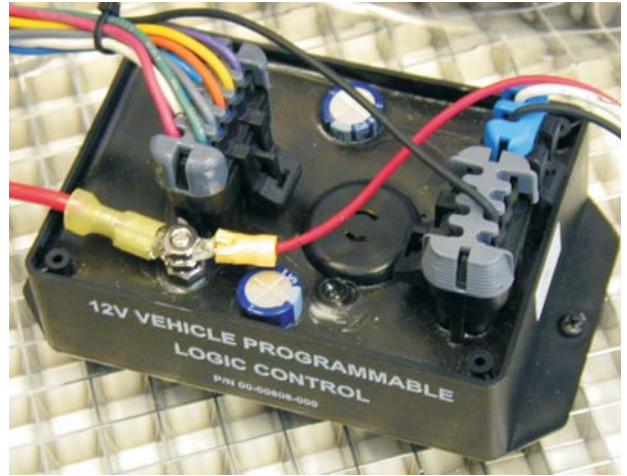


Intellitec's **Vehicle Programmable Logic Controller** is designed to provide a flexible switching unit that is programmable by a Windows™-based GUI. **VPLC** is designed to perform a variety of functions including, but not limited to:

- 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.*

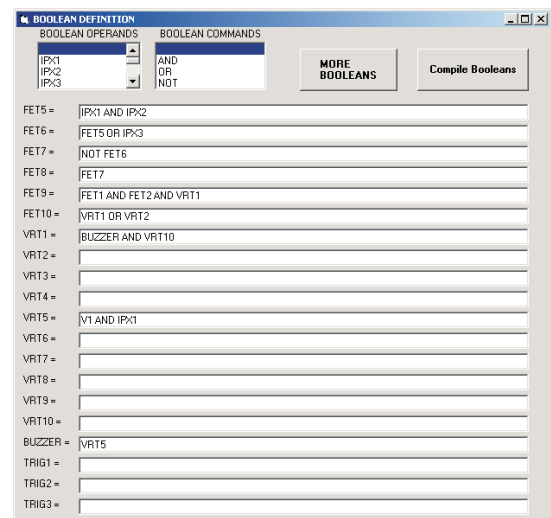
**VPLC** provides the following features:

- 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



## SPECIFICATIONS

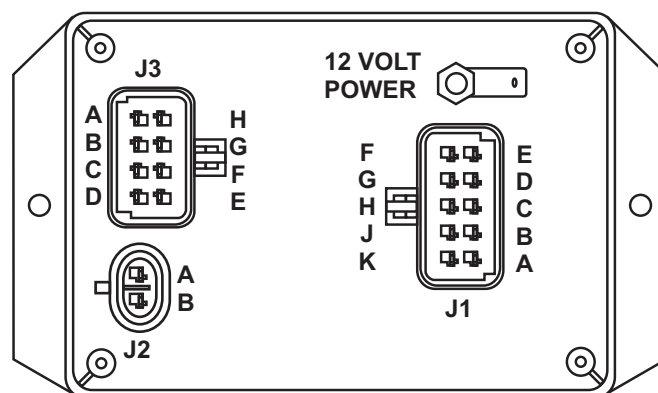
| General Connections     |              | 00-00808-000 | 00-00808-240 |
|-------------------------|--------------|--------------|--------------|
| Nominal Vehicle Voltage |              | 12V          | 24V          |
| Module Current          |              | 15 Amps Max  | 15 Amps Max  |
| J2-A                    | 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-side Input 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

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Follow proper safety practices. If in doubt, consult a professional RV technician.