



**Figure 6: Mode Control Switch Wiring**

Depending on which mode the module is set to operate in refer to either section 4.1.1 or section 4.1.2.

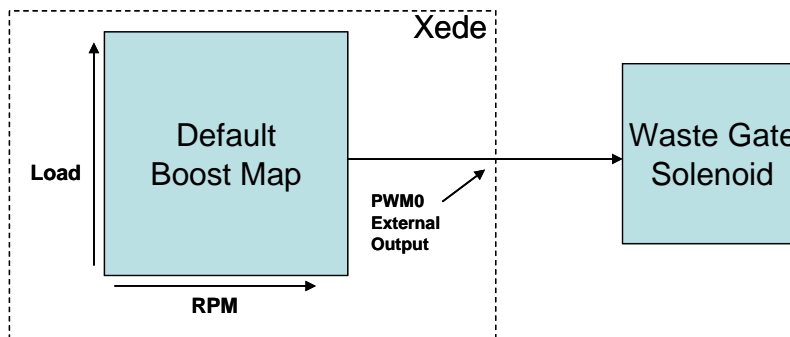
## 4 Usage

As cited the boost compensation / no lift shift – launch control module works with the Xede to permit either compensating for boost pressure variations with ambient temperature / barometric pressure changes or vehicle speed dependent RPM limits. Depending on the mode which the module is operating, mode dependent modifications to the Xede's maps must be implemented as defined in the following sections of this document.

### 4.1 Xede Version 3.1 Configuration

#### 4.1.1 Xede Version 3.1 – Boost Compensation Mode Configuration

As represented in Figure 7, the default Xede boost control mapping utilizes a single map where the values in the map represents the waste gate solenoid duty cycle as a function of load and RPM. Note that this applies without regard to if the SMART is installed, or not.



**Figure 7: Default Xede Boost Control Mapping**

A representative default boost map is shown in Figure 8 in conjunction with its configuration where the highlighted (blue) field specifies the map's output (e.g. PWM0).