

## LED Indicator Information:

### (NS) - Network Status (Red / Green ):

- OFF = NO J1939 devices programmed in application
- Flashing Green = J1939 device(s) detected and waiting to establish communications
- ON Green = J1939 device(s) detected and communication established successfully
- Flashing Red = The J1939 Bus is in a 'Timed-Out' state
- ON Red = The device has detected an error that has made it unable to communicate on the net work - contact factory

### PWM%A and PWM%B ( Red / Green ):

- The LED will change from Red ( 0% ) to Green ( 100% ) through Yellow (50%), to indicate the duty cycle status of the corresponding output.
- OFF = NO PWM outputs are active
- Flashing Green = PWM or High Side output 'Open Circuit' detected
- Flashing Red = PWM or High Side output 'Short Circuit' detected



All Indicators located on this face of controller →



### (MS) - Module Status ( Red / Yellow / Green ):

- OFF = No power applied to module.
- ON Green = Module operating normally
- ON Red = Module has unrecoverable fault detected - contact factory
- Flashing Red = Low supply voltage (<8.5VDC )
- ON Yellow = **'System Disable' active ( power cycle required to reset )**

### Status Indicator ( Red / Yellow / Green ):

- This indicator is programmable and can be used by the application code to show fault codes or display system operational conditions e.t.c.
- Off = NO Errors / faults detected
- ON Red = PWM1 Open or Short circuit detected
- ON Green = PWM2 Open or Short circuit detected
- Flashing Yellow = High Side Open or Short circuit detected
- Flashing Red = User programmable / defined fault blink codes