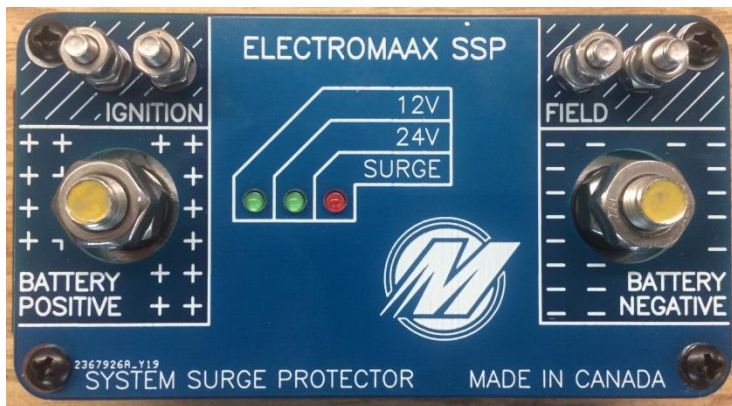


1. Description

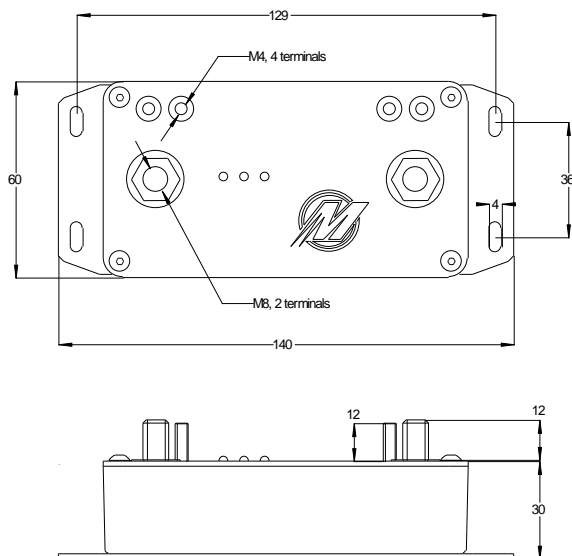
Aluminum housed electronic device designed to detect and suppress transient electrical surges for the protection of other electronic devices in the electrical system. The SSP monitors system voltage and reacts to dissipate the surge and provide a controlled shut-down of the input component (e.g.- alternator). A controlled re-connection occurs when the operating conditions are safe.



2. Specifications

Parameter	Value	Units
Weight	360	gm
Housing material	Aluminum (Power coated)	
Operating range	10 - 40	VDC
Protection	IP 55	
Maximum allowable shock	4	G
Maximum allowable relative humidity	98%	

3. Dimensional outline



All units are millimeters

3. Electrical specifications

Parameter	Value	Units
DC voltage supply range	10 – 40	VDC
Trigger Voltage	15 for 12 VDC / 30 for 24 VDC	VDC
Current consumption	10	mA
Max Ignition / Field Current	20	A
Max surge	3.5	Kw

The following schematics show 2 possible system configurations; having either an internal regulator or an external regulator.

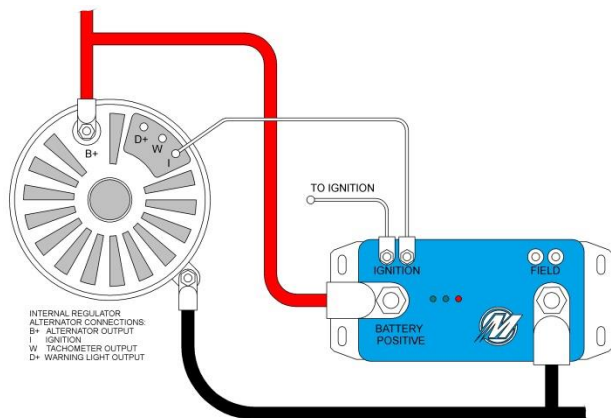


Figure 1: Internal Regulator

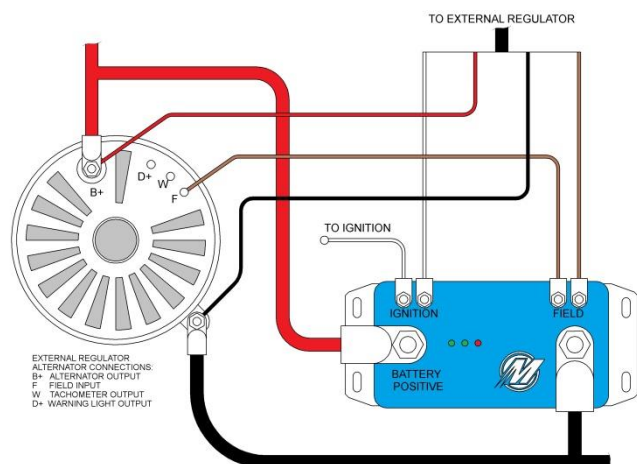


Figure 2 External Regulator

Notice

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