

PRODUCT DATA SHEET

D9212

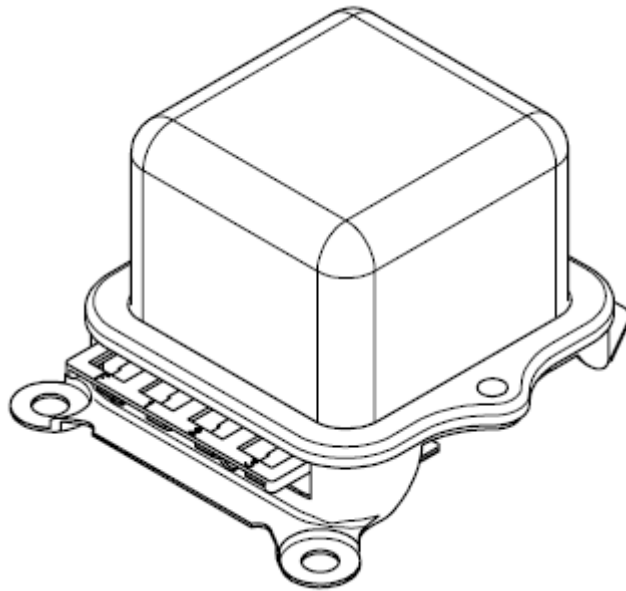


Figure 1

REVISIONS				
REV	ECO #	DESCRIPTION	DATE	APPVD
0	N/A	Initial Release	9/18/2020	Van

	ORIGINATOR	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	MARKETING	APPROVED ENGINEERING
NAME			Van		Cindy
DATE			09/18/2020		09/18/2020

DELCO REPLACEMENT REGULATOR

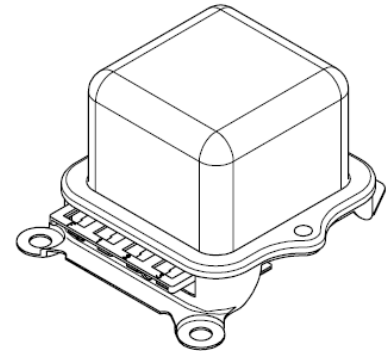
The D9212 functions to keep the battery at full charge, by maintaining the proper output of the alternator under changing load conditions and varying speeds.

KEY FEATURES

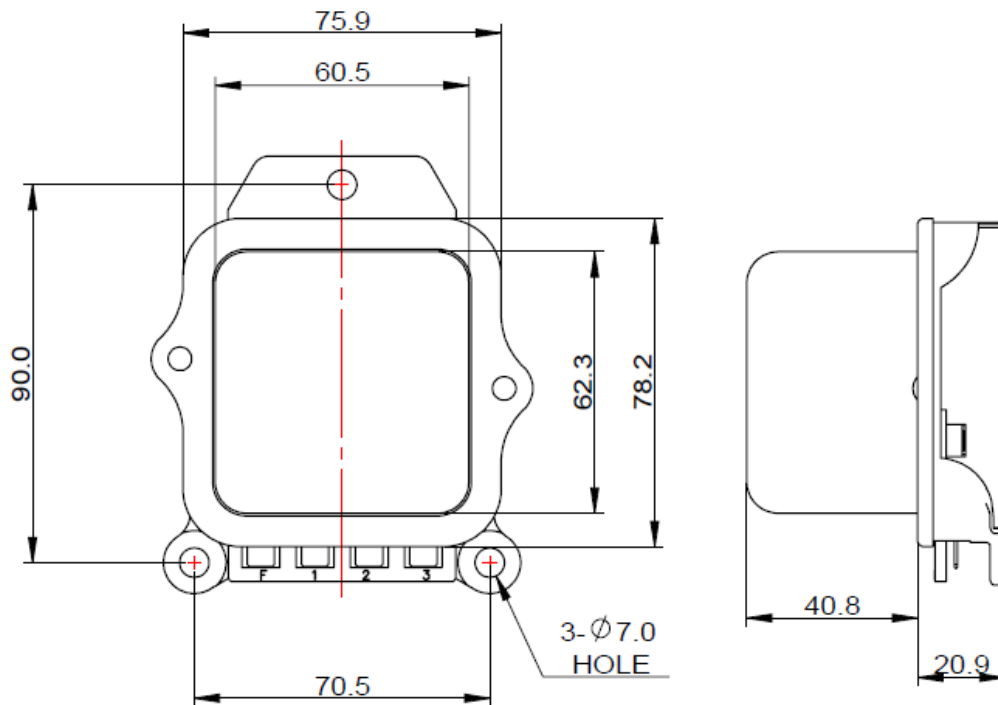
- “B” circuit, High Side Drive Regulator.
- Voltage Setpoint is **14.20V** Volts.

D9212

TRANSPO REGULATOR



1.0 MECHANICAL CHARACTERISTICS



ALL DIMENSIONS ARE IN mm AND FOR REFERENCE ONLY

Figure 2



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2.0 Pinouts

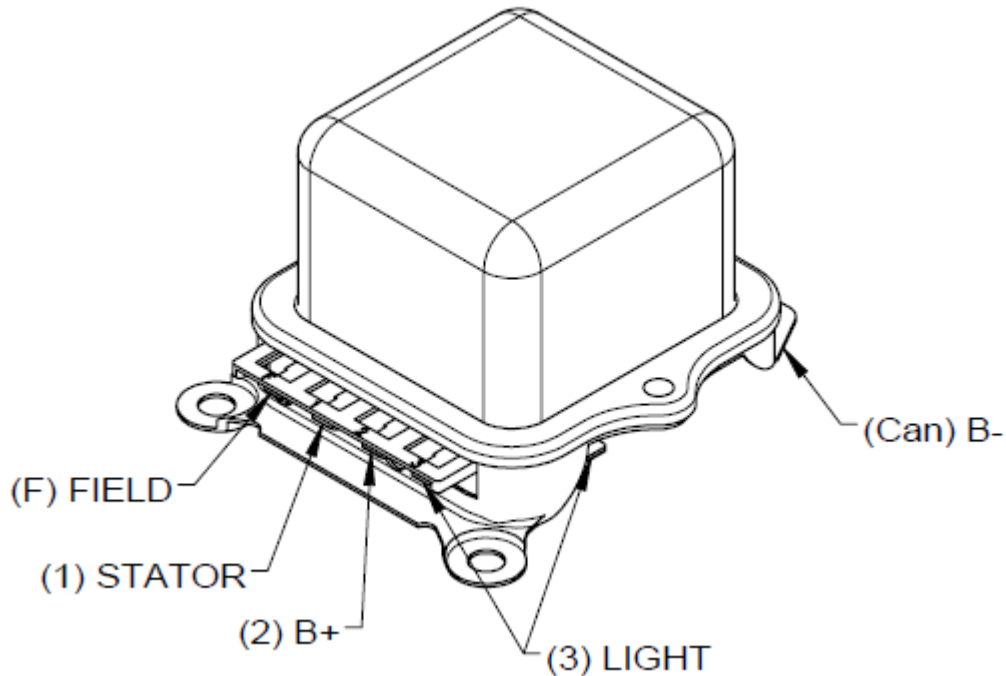


Figure 3

3.0 Summary

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T_{OP}	-40	---	125	$^{\circ}C$
Field	I_F	---	5	---	A
Voltage Set Point (4000 RPM with no load)	V_{SET}	14.00	14.20	14.40	V
Regulation vs. Speed (1500 to 4500 RPM with no load)	V_{SPD}	---	-0.1	---	V
Regulation vs. Load (6000 RPM with no load to 90% full load)	V_{LOAD}	---	-0.7	---	V
Saturation Voltage @ 5A, 13Volts	V_{SAT}	---	1.64	---	V
Standby Current Drain (Key off, $V_{BAT} = 12V$)	I_D	---	1.16	---	mA
Temperature Coefficient	T.C.	---	-4.67	---	mV/ $^{\circ}C$



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