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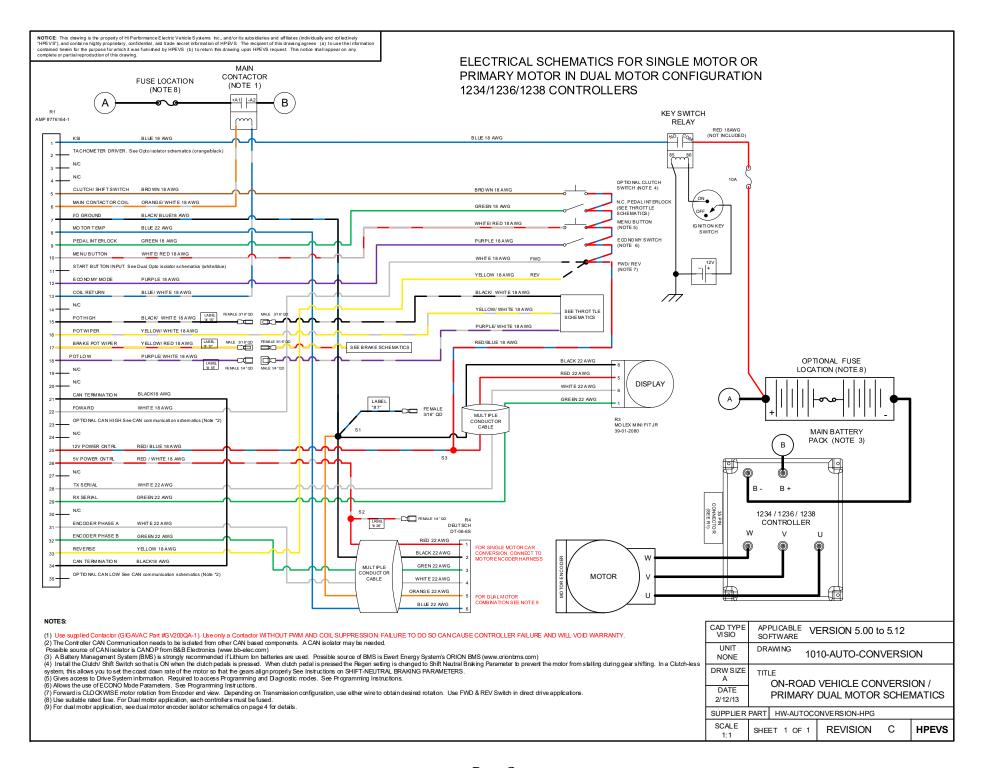
# **WIRING SCHEMATICS**

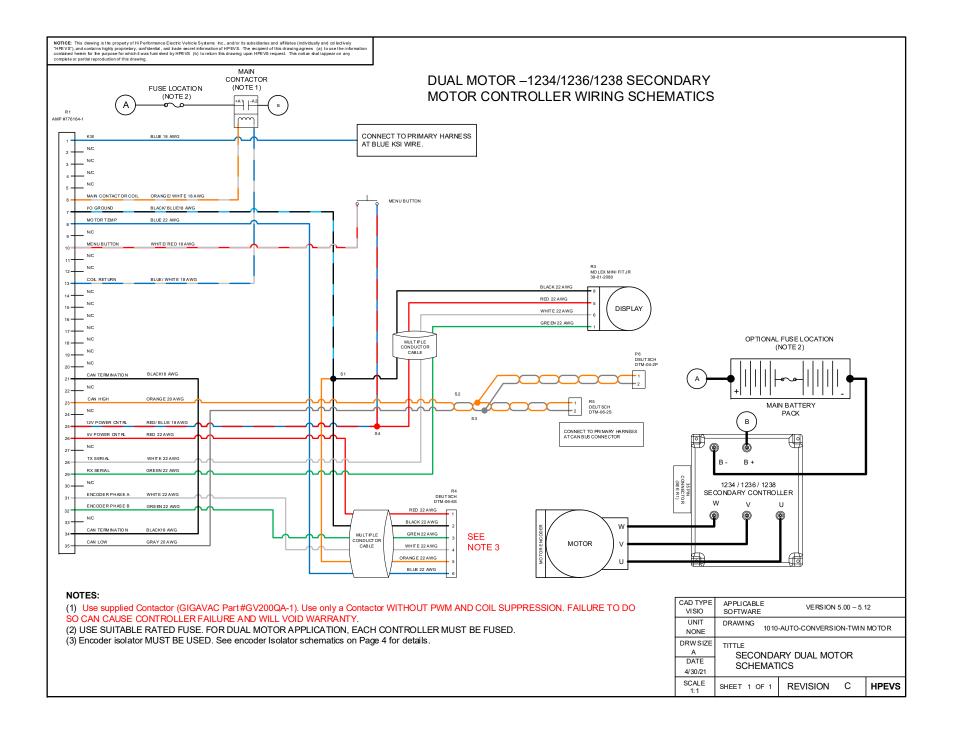
# ON-ROAD VEHICLE CONVERSION SINGLE AND DUAL MOTOR APPLICATION

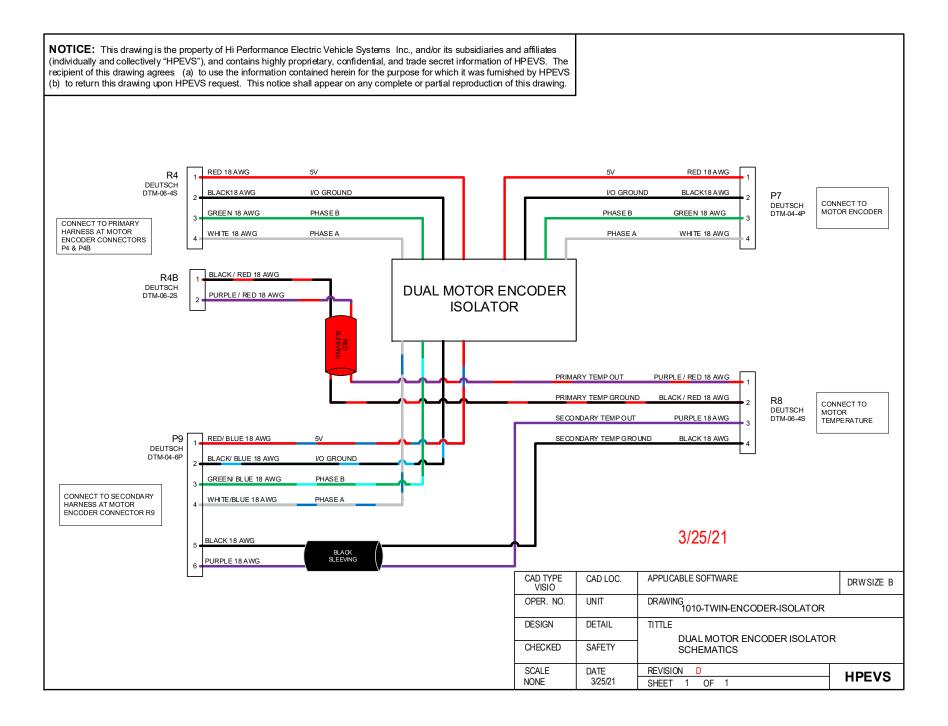
FOR SOFTWARE VERSIONS 5.00 TO 5.12

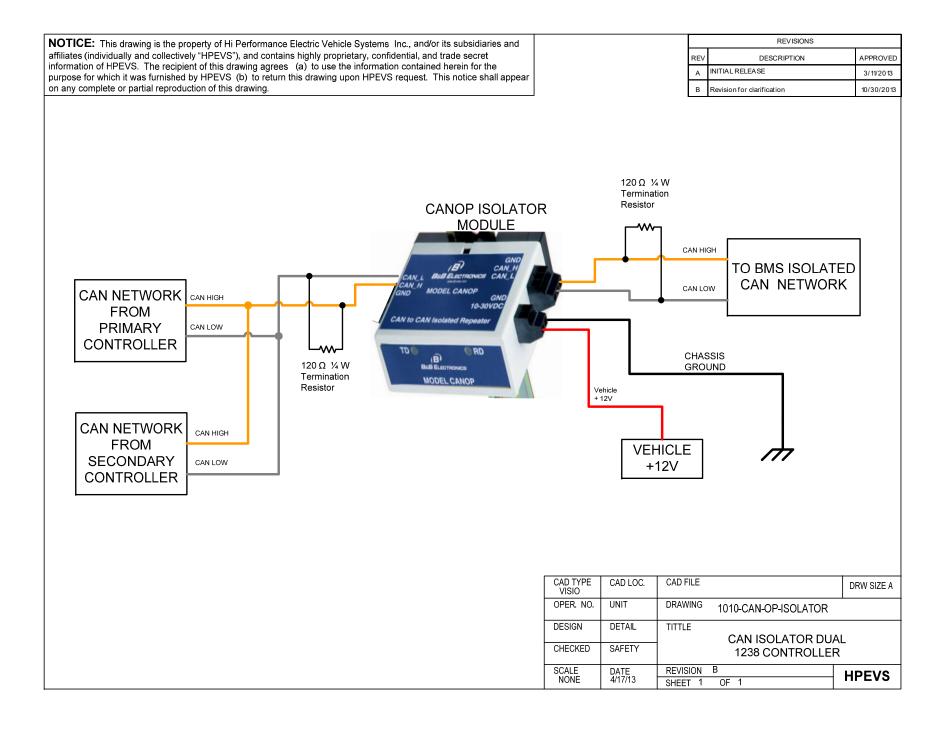
FOR CURTIS CONTROLLERS 1234/1236/1238

Date: 4/30/21







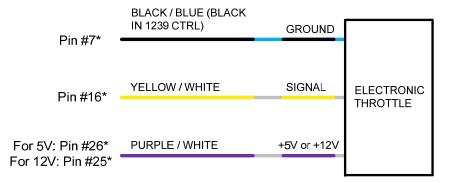


## THROTTLE CONFIGURATION

Depending on the type of throttle used for the application, the different types of throttle configurations are listed in the table below. Electrical schematics are also included in the following pages.

THROTTLE CONFIGURATION	ТҮРЕ
ELECTRONIC without SWITCH	TYPE 1
2 WIRE with SWITCH 0-5k $\Omega$	TYPE 2
3 WIRE with SWITCH 0-5k $\Omega$	TYPE 3
CURTIS PB8 THROTTLE ASSEMBLY	TYPE 3

	REVISIONS				
REV	DESCRIPTION	APPROVED			
Α	INITIAL RELEASE	1/22/2013			



TYPE 1
ELECTRONIC
THROTTLE\*\*

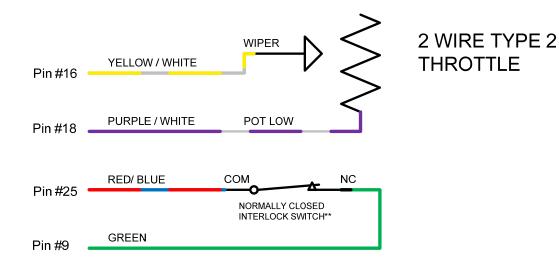
\* Typical connection, verify correct voltage and connection in throttle documents or instructions.

Not all Electronic Throttles supported

\*\* When an electronic throttle is used, the GREEN wire from the pedal interlock does not need to be connected.

CAD TYPE VISIO		PLICABL FTWARE				
UNIT NONE	DRA	AWING	101	0-THROTTLE-	001	
DRW SIZE A	TIT		· O T I		OTTI	7
DATE 1/22/13		ELE		RONIC THR	OTIL	E
SUPPLIER	PART					
SCALE NONE	SHE	ET 4 C	OF 4	REVISION	В	HPEVS

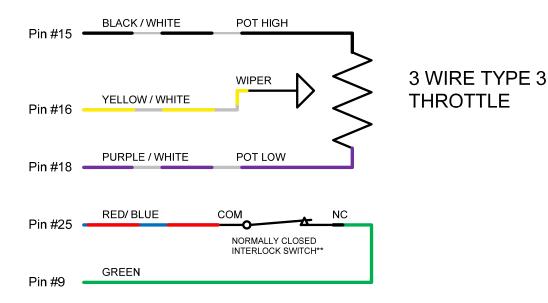
REV	DESCRIPTION	APPROVED
Α	INITIAL RELEASE	1/22/2013



\*\* When the accelerator pedal <u>IS PRESSED</u> the interlock switch is released to its <u>NORMAL</u> position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

CAD TYPE VISIO	CAD LOC.	CAD FILE	DRW SIZE A
OPER. NO.	UNIT	DRAWING 1010-THROTTLE-001	
DESIGN	DETAIL	TITTLE 2 WIRE TYPE 2	
CHECKED	SAFETY	THROTTLE	
SCALE NONE	DATE 1/22/13	REVISION A SHEET 1 OF 3	HPEVS

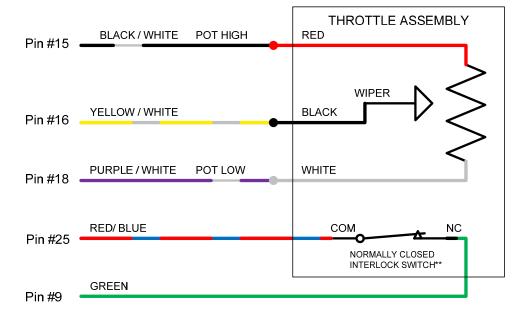
	REVISIONS	
REV	DESCRIPTION	APPROVED
Α	INITIAL RELEASE	1/22/2013



\*\* When the accelerator pedal <u>IS PRESSED</u> the interlock switch is released to its <u>NORMAL</u> position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

DESIGN DETAIL TITTLE  CHECKED SAFETY TITTLE  1010-THROTTLE-001  3 WIRE TYPE 3  THROTTLE	
DESIGN DETAIL TITTLE	
1010-THROTTLE-001	
OPER, NO. UNIT DRAWING 4040 TUROTTI F 004	
CAD TYPE CAD LOC. CAD FILE DRV	SIZE A

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REV	DESCRIPTION	APPROVED
Α	INITIAL RELEASE	11/27/2013



CURTIS PB8 THROTTLE ASSEMBLY

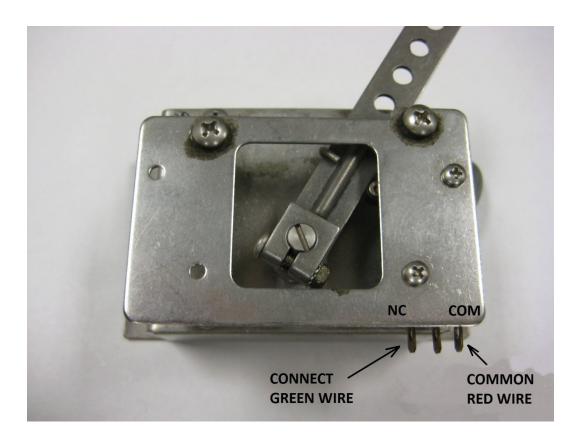
\*\* When the accelerator pedal<u>IS PRESSED</u> the interlock switch is released to its <u>NORMAL</u> position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

CAD TYPE APPLICABLE VISIO SOFTWARE UNIT DRAWING 1010-THROTTLE-001 NONE DRW SIZE TITTLE **CURTIS PB8** Α DATE THROTTLE ASSEMBLY 1/22/13 SUPPLIER PART REVISION A **HPEVS** SHEET 3 OF 4

### PEDAL INTERLOCK CONNECTION

The pedal interlock connection is required for both 2 and 3 wire throttle pot assemblies. The Green wire is connected to the Normally Closed tab. The red/blue wire is connected to the common tab. See picture below.

NOTE: when the accelerator pedal <u>IS PRESSED</u> the interlock switch is released to its <u>NORMAL</u> position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

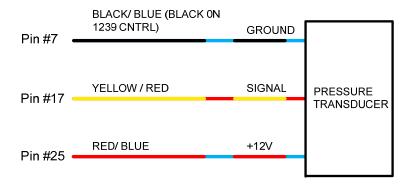


### **BRAKE INPUT CONFIGURATION**

Depending on the type of brake input used for the application, the different types of brake input configurations are listed in the table below. Electrical schematics are also included in the following pages.

BRAKE INPUT CONFIGURATION	ТҮРЕ
PRESSURE TRANSDUCER/ ELECTRONIC 0-5V INPUT	TYPE 1
2 WIRE 0-5k Ω	TYPE 2

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REV	DESCRIPTION	APPROVED
Α	INITIAL RELEASE	2/19/2013

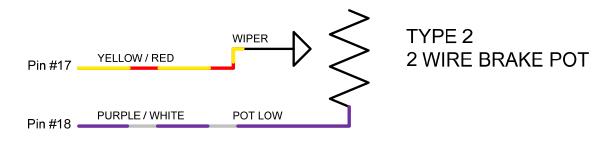


TYPE 1 PRESSURE TRANSDUCER

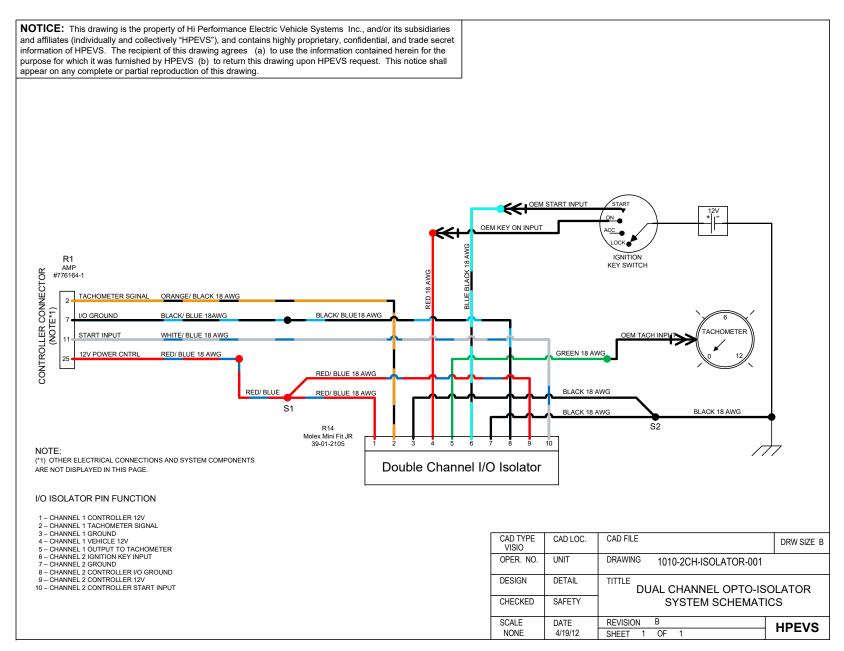
\*\* Typical Pressure Transducer Ratings 8-30 Volt Input 1-5 Volt Output 2500 PSI

CAD TYPE VISIO	CAD LOC.	CAD FILE		DRW SIZE A
OPER. NO.	UNIT	DRAWING	1010-BRAKE	
DESIGN	DETAIL	TITTLE		
CHECKED	SAFETY		PRESSURE TRANSDU	JCER
SCALE	DATE	REVISION	A	HPEVS
NONE	2/19/13	SHEET 2	OF 2	III LVO

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	11211010110	
REV	DESCRIPTION	APPROVED
Α	INITIAL RELEASE	2/19/2013



CAD TYPE VISIO	CAD LOC.	CAD FILE	DRW SIZE A
OPER. NO.	UNIT	DRAWING 1010-BRAKE	
DESIGN	DETAIL	TITTLE 2 WIRE	
CHECKED	SAFETY	BRAKE POT	
SCALE	DATE	REVISION A	HPEVS
NONE	2/19/13	SHEET 1 OF 2	III LVO



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