

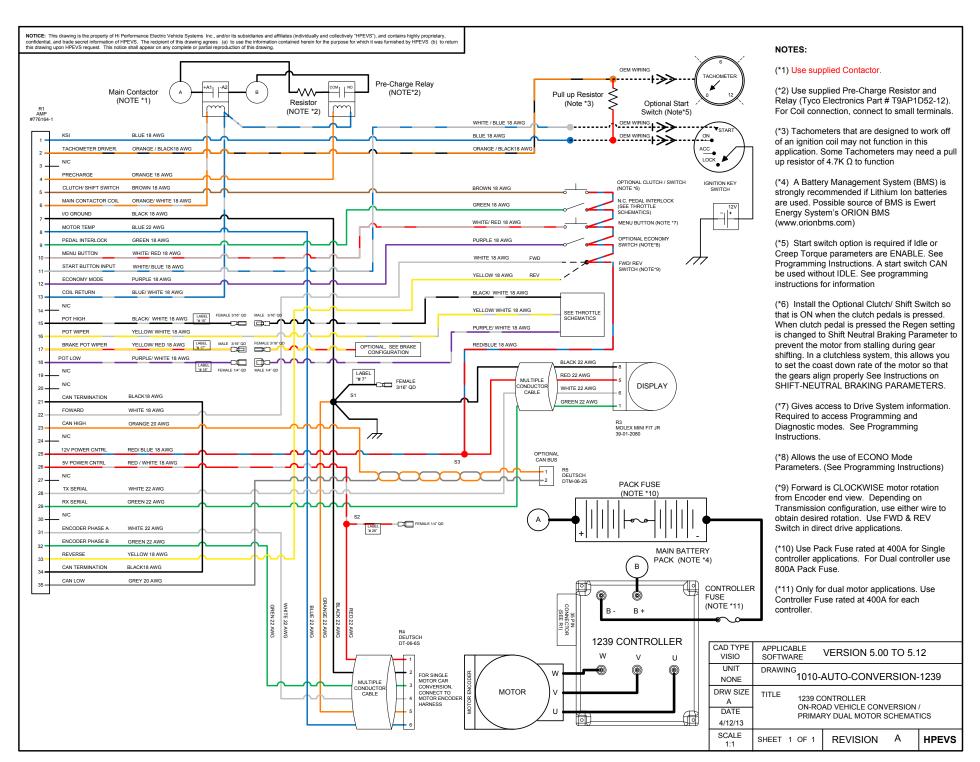
1551 S. Vineyard Avenue Ontario, CA 91761 (909) 923-1973

WIRING SCHEMATICS

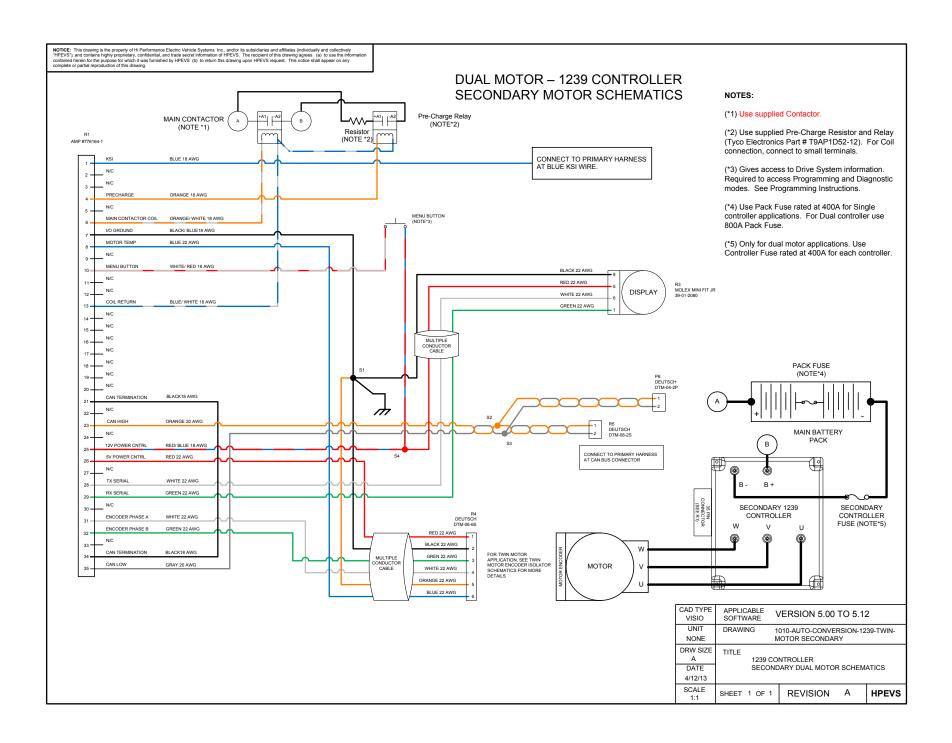
FOR SOFTWARE VERSIONS 5.00 TO 5.12

FOR CURTIS 1239 CONTROLLER ON-ROAD VEHICLE CONVERSION FOR SINGLE AND DUAL MOTOR APPLICATIONS

REVISION: C Date 5/28/14



Page 2

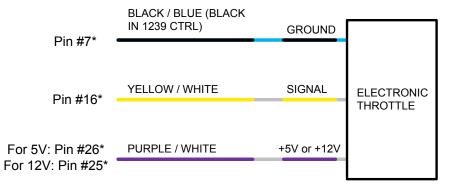


THROTTLE CONFIGURATION

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 within the following pages.

THROTTLE CONFIGURATION	TYPE
ELECTRONIC without SWITCH	TYPE 1
2 WIRE with SWITCH 0-5k Ω	TYPE 2
3 WIRE with SWITCH 0-5k Ω	TYPE 3
CURTIS PB8 THROTTLE ASSEMBLY	TYPE 3

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Α	INITIAL RELEASE	1/22/2013



TYPE 1
ELECTRONIC
THROTTLE**

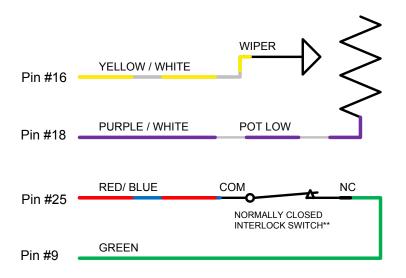
* Typical connection, verify correct voltage and connection in throttle documents or instructions.

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	TITI		CTI	RONIC THE	OTTI	_
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SUPPLIER	PART					
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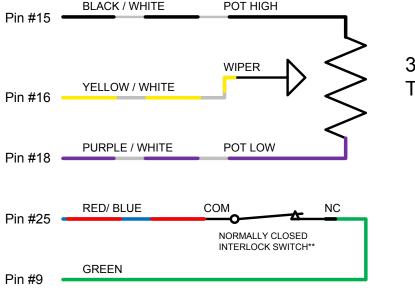


2 WIRE TYPE 2 THROTTLE

** 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.

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

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ı	Α	INITIAL RELEASE	1/22/2013

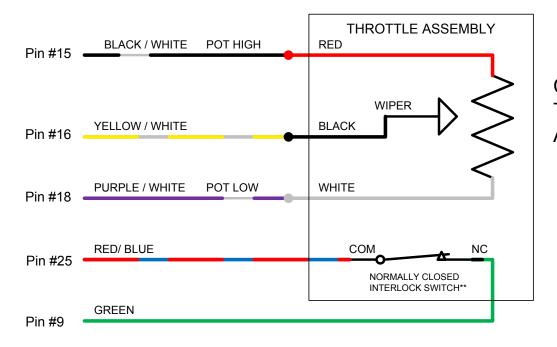


3 WIRE TYPE 3 THROTTLE

** When the accelerator pedal IS PRESSED the interlock switch is released to its NORMAL 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-THR	ROTTLE-001
DESIGN	DETAIL	TITLE 3\	WIRE TYPE 3
CHECKED	SAFETY	- ·	THROTTLE
SCALE NONE	DATE 1/22/13	REVISION A SHEET 2 OF 3	HPEVS

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Α	INITIAL RELEASE	11/27/2013



CURTIS PB8 THROTTLE ASSEMBLY

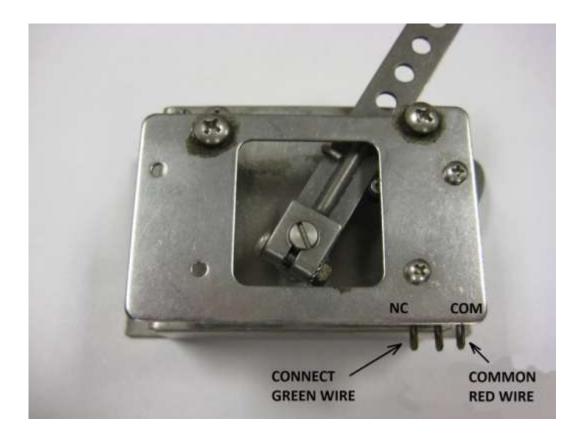
** When the accelerator pedal <u>IS PRESSED</u> the interlock switch is released to its <u>NORMAL</u> position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

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

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.

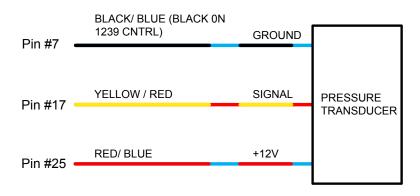


BRAKE INPUT CONFIGURATION

Depending of the type of brake input used for the application, the different types of brake input configuration are listed below table. 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		
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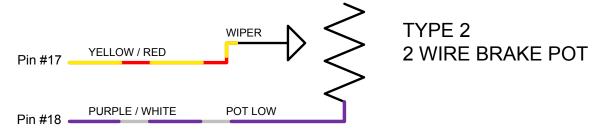


TYPE 1 PRESSURE TRANSDUCER

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

NONE	2/19/13	SHEET 2	OF 2	HEVS
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DESIGN	DETAIL	TITLE		
OPER. NO.	UNIT	DRAWING	1010-BRAKE	•
CAD TYPE VISIO	CAD LOC.	CAD FILE		DRW SIZE A
CAD TYPE	CADLOC	CAD FILE		DDW CIZE

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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	TITLE 2 WIRE	
CHECKED	SAFETY	BRAKE POT	Ī
SCALE NONE	DATE 2/19/13	REVISION A SHEET 1 OF 2	HPEVS