

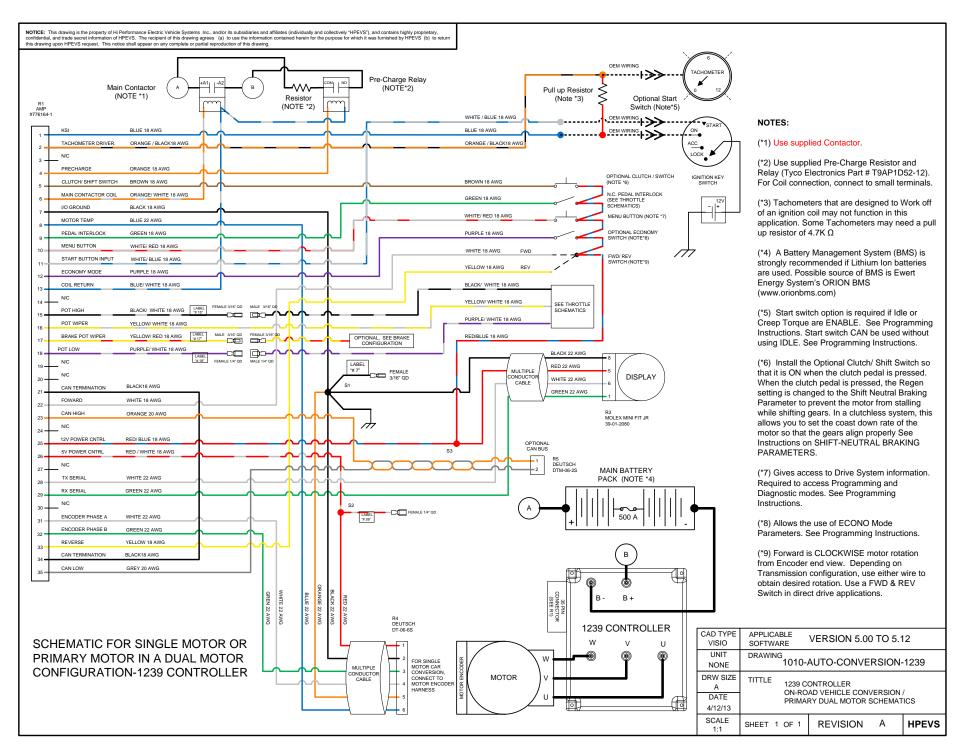
1551 S. Vineyard Avenue Ontario, CA 91761 (909) 923-1973

WIRING SCHEMATICS

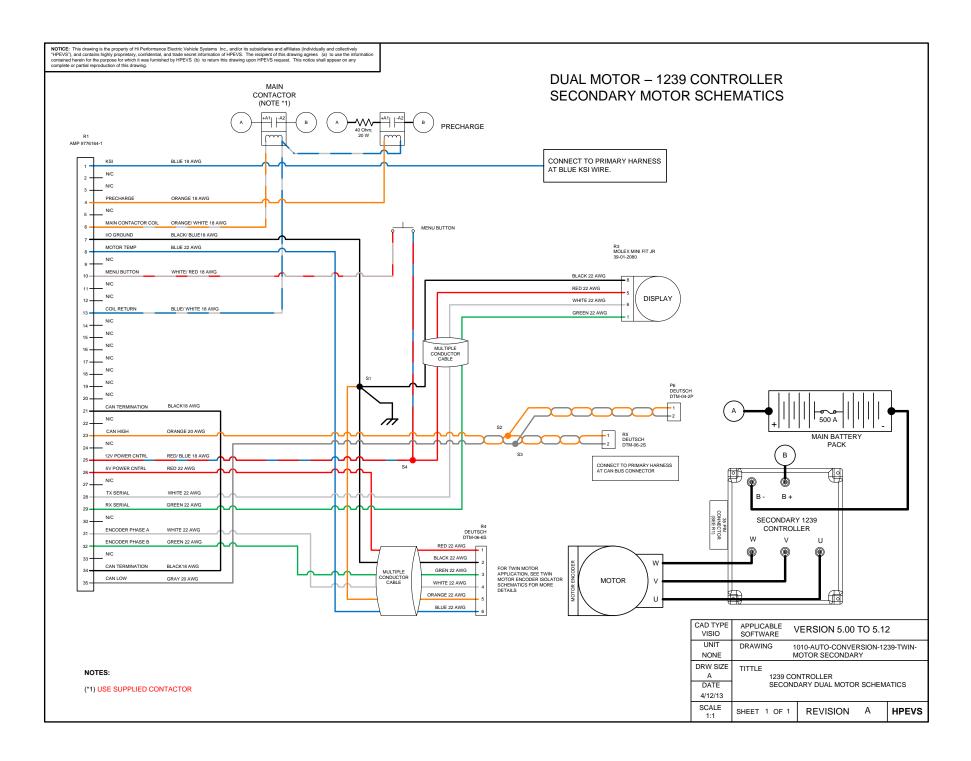
FOR SOFTWARE VERSIONS 5.00 TO 5.12

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

REVISION: A Date 12/01/2013



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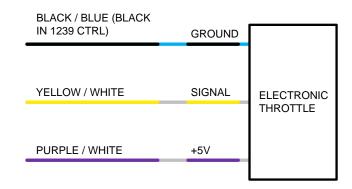


THROTTLE CONFIGURATION

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

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

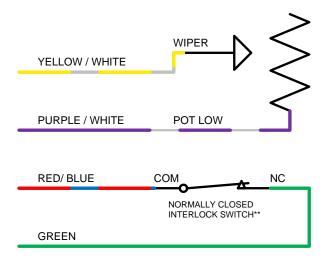


TYPE 1
ELECTRONIC
THROTTLE**

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

CAD TYPE VISIO	APPLICABLE SOFTWARE				
UNIT NONE	DRAW	^{'ING} 101	0-THROTTLE-	-001	
DRW SIZE A	TITTLE	_		OTT	_
DATE 1/22/13		ELECT	RONIC THR	OIIL	E
SUPPLIER	PART				
SCALE NONE	SHEET	4 OF 4	REVISION	В	HPEVS

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REV	DESCRIPTION	APPROVED		
Α	INITIAL RELEASE	1/22/2013		

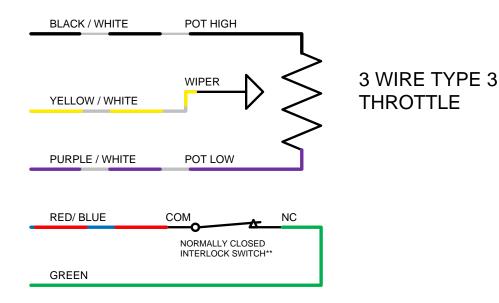


2 WIRE TYPE 2 THROTTLE

** 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.

CAD TYPE VISIO	CAD LOC.	CAD FILE	DRW SIZE A
OPER. NO.	UNIT	DRAWING 1010-THROTTLE-00	1
DESIGN	DETAIL	TITTLE 2 WIRE TY	PF 2
CHECKED	SAFETY	THROTTI	
SCALE	DATE	REVISION A	HPEVS
NONE	1/22/13	SHEET 1 OF 3	HIFLVS

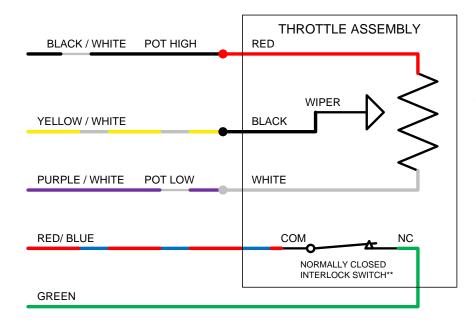
REVISIONS				
REV	DESCRIPTION	APPROVED		
Α	INITIAL RELEASE	1/22/2013		



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

^{**} 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.

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Α	INITIAL RELEASE	11/27/2013			



CURTIS PB8 THROTTLE ASSEMBLY

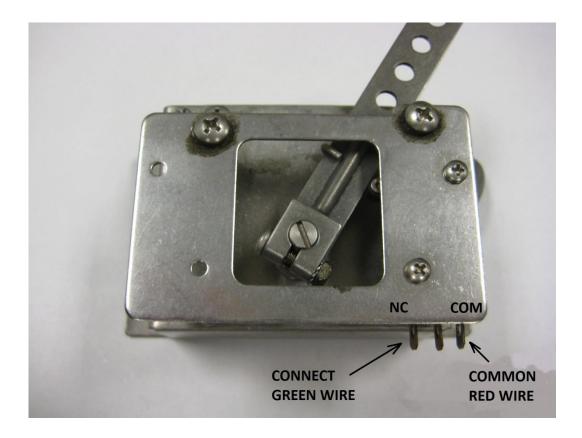
** When the accelerator pedal_IS PRESSED the interlock switch is released to its NORMAL position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

CAD TYPE VISIO		APPLICABLE SOFTWARE			
UNIT NONE	DRA	AWING 10	10-THROTTLE	-001	
DRW SIZE A	TIT	TLE	CURTIS PB	8	
DATE 1/22/13		THRO	OTTLE ASSE	EMBLY	•
SUPPLIER	PART				
SCALE NONE	SHE	ET 3 OF 4	REVISION	Α	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.

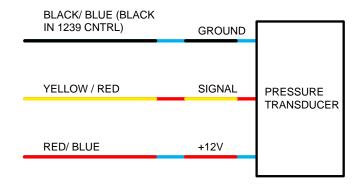


BRAKE INPUT CONFIGURATION

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

	REVISIONS				
REV	REV DESCRIPTION				
Α	INITIAL RELEASE	2/19/2013			

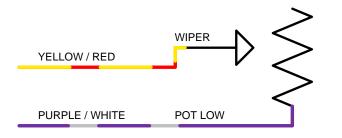


TYPE 1 PRESSURE TRANSDUCER

** 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 10	10-BRAKE	
DESIGN	DETAIL	TITTLE		
CHECKED	SAFETY	Pi	RESSURE TRANSDU	JCER
SCALE NONE	DATE 2/19/13	REVISION A SHEET 2 OF	2	HPEVS

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	REV	DESCRIPTION	APPROVED			
	Α	INITIAL RELEASE	2/19/2013			



TYPE 2 2 WIRE BRAKE POT

NONE	2/19/13	SHEET 1 OF 2	HPEVS
SCALE	DATE	REVISION A	LIDEVC
CHECKED	SAFETY	BRA	
DESIGN	DETAIL	TITTLE 2 W	IRF
OPER. NO.	UNIT	DRAWING 1010-BRAKE	·
CAD TYPE VISIO	CAD LOC.	CAD FILE	DRW SIZE A