

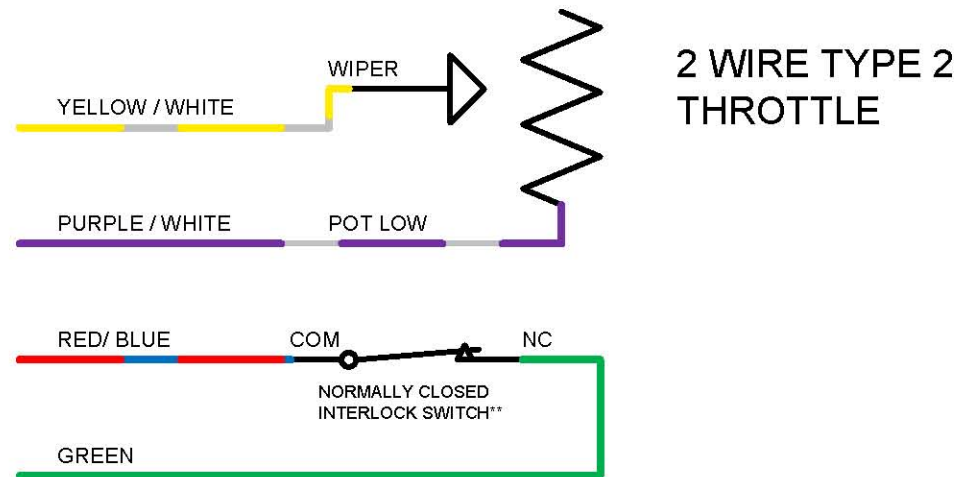
## THROTTLE CONFIGURATION

Depending of the type of throttle used for the application, see below table to determine the appropriate connection. Electrical schematics are also included in page 7 through 9.

THROTTLE CONFIGURATION	TYPE	ELECTRICAL CONNECTIONS
2 WIRE with SWITCH 0-5k $\Omega$	TYPE 2	<p>Connect PURPLE / WHITE wire labeled #18 with PURPLE / WHITE wire. Ending connection at throttle pot low.</p> <p>YELLOW / WHITE wire connected to throttle wiper</p>
3 WIRE with SWITCH 0-5k $\Omega$	TYPE 3	<p>Connect BLACK / WHITE wire labeled #15 with BLACK/ WHITE wire. Ending connection at throttle pot high.</p> <p>Connect PURPLE / WHITE wire labeled #18 WITH PURPLE / WHITE wire. Ending connection at throttle pot low.</p> <p>Connect YELLOW / WHITE wire connected to throttle wiper.</p>
ELECTRONIC without SWITCH	TYPE 1	<p>Disconnect any wire connected to BLACK/WHITE wire labeled #15.</p> <p>Disconnect any wire from PURPLE/ WHITE wire labeled #18.</p> <p>Connect BLACK /BLUE WIRE LABELED #7 with BLACK/ BLUE wire. Ending connection at electronic throttle ground.</p> <p>Connect RED/ WHITE wire labeled #26 with PURPLE / WHITE wire. Ending connection at throttle +5V input.</p> <p>Connect YELLOW / WHITE wire to electronic throttle signal.</p>

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A	INITIAL RELEASE	1/22/2013

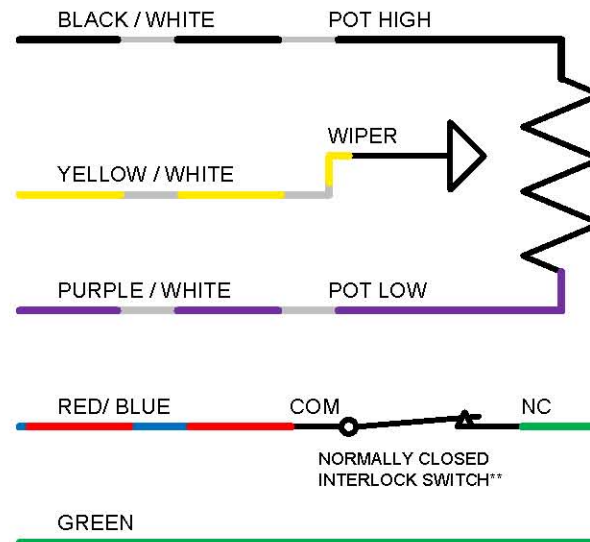


\*\* When accelerator pedal IS PRESSED the interlock switch is released to its NORMAL position (switch not activated) thus completing the circuit since its green wire is connected to the normally closed (NC) connection.

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

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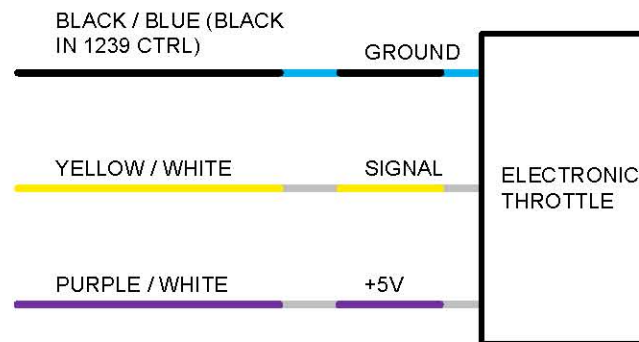
**3 WIRE TYPE 3  
THROTTLE**

\*\* When 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 VISO	CAD LOC.	CAD FILE	DRW SIZE A
OPER. NO.	UNIT	DRAWING	1010-THROTTLE-001
DESIGN	DETAIL	TITLE	3 WIRE TYPE 3 THROTTLE
CHECKED	SAFETY		
SCALE NONE	DATE 1/22/13	REVISION A	HPEVS
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## ELECTRONIC THROTTLE\*\*

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

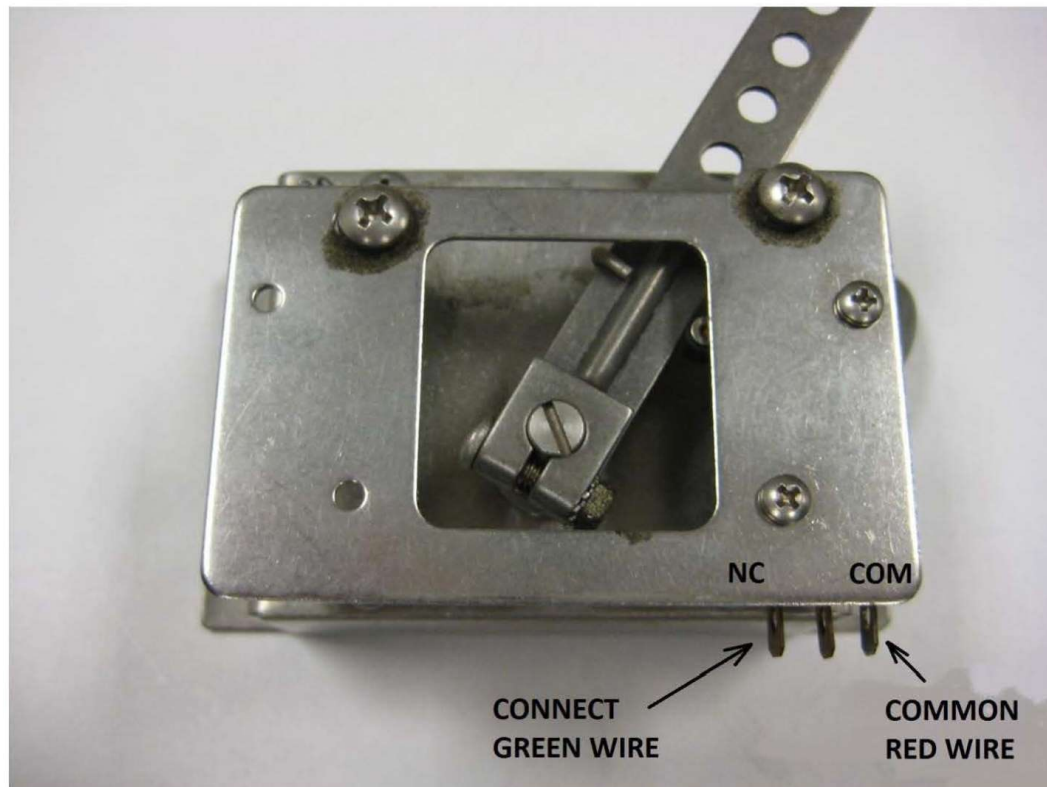
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OPER. NO.	UNIT	DRAWING	1010-THROTTLE-001
DESIGN	DETAIL	TITLE	ELECTRONIC THROTTLE
CHECKED	SAFETY		
SCALE NONE	DATE 1/22/13	REVISION A	HPEVS
		SHEET 3 OF 3	

## PEDAL INTERLOCK CONNECTION

The pedal interlock connection is required for both 2 and 3 wire throttle pot assemblies. The Green wire is connected at Normally Closed tab. Red wire is connected at common tab. See below picture.

NOTE, when 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.

Electronic throttles usually do not have an interlock switches. In this application, the Green and Red wires are connected together.



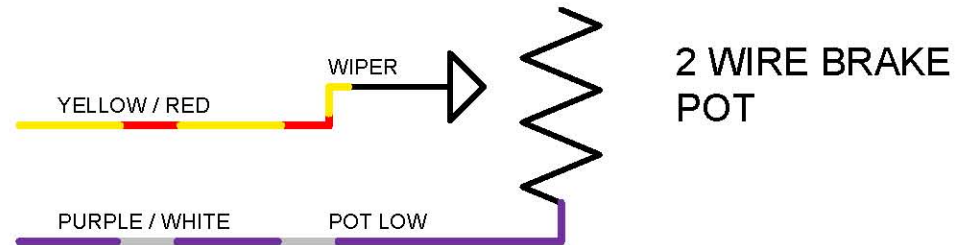
## BRAKE POT CONFIGURATION

Depending of the type of brake pot used for the application, see below table to determine the appropriate connection. Electrical schematics are also included in page 12 & 13.

BRAKE POT CONFIGURATION	TYPE	ELECTRICAL CONNECTIONS
2 WIRE 0-5k $\Omega$	TYPE 2	<p>Connect PURPLE / WHITE wire labeled #18 with PURPLE / WHITE wire. Ending connection at brake pot low.</p> <p>Connect YELLOW / RED wire labeled #17 with wire YELLOW/ RED wire. Ending connection at brake wiper.</p>
BRAKE TRANSDUCER	TYPE 1	<p>Connect RED/ BLUE wire to brake transducer +12V input.</p> <p>Connect BLACK/ BLUE wire labeled #7 with Black/BLEU wire. Ending connection at brake transducer ground.</p> <p>Connect YELLOW / RED wire labeled #17 with wire YELLOW/ RED wire. Ending connection at brake transducer output signal.</p>

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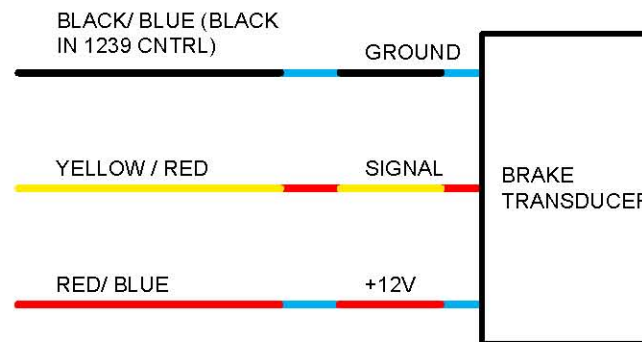
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CAD TYPE VISO	CAD LOC.	CAD FILE	DRW SIZE A
OPER. NO.	UNIT	DRAWING 1010-BRAKE-001	
DESIGN	DETAIL	TITLE 2 WIRE BRAKE	
CHECKED	SAFETY		
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		SHEET 1 OF 2	

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**BRAKE  
TRANSDUCER**

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OPER. NO.	UNIT	DRAWING 1010-BRAKE-001	
DESIGN	DETAIL	TITLE BRAKE TRANSDUCER	
CHECKED	SAFETY		
SCALE NONE	DATE 2/19/13	REVISION A SHEET 2 OF 2	<b>HPEVS</b>