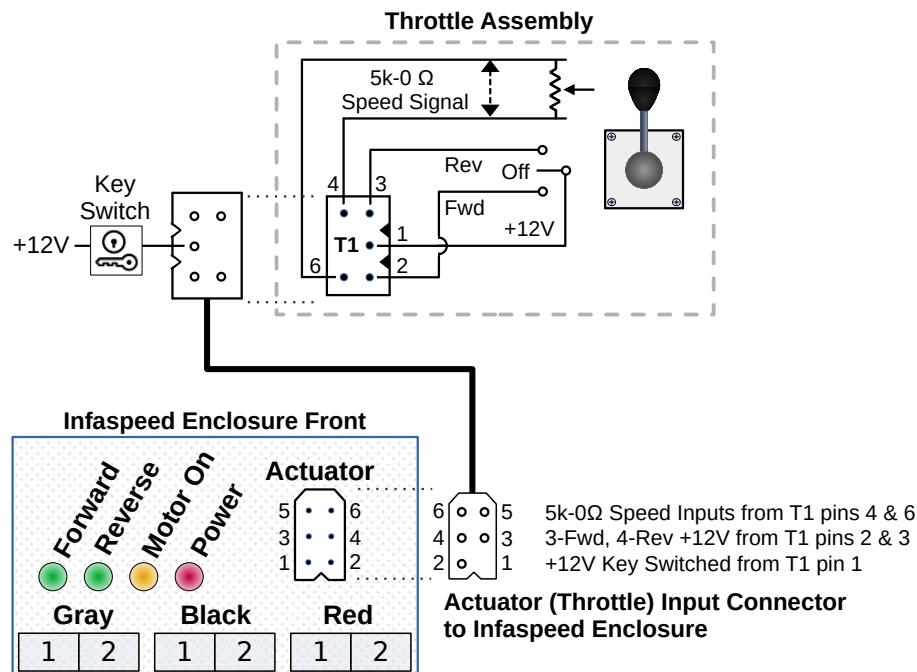


## Duffy Infaspeed Throttle

For 2002 Duffy Classic and Similar Boats



LED Label	LED should be on when	Indicates
<b>Power</b>	Key switch is on	Connections to the Infaspeed box are providing + and - 12V to the motor controller and fan.
<b>Motor On</b>	Key switch is on and throttle is in either forward or reverse	Either the forward or reverse contactor coil is receiving +12V to energize it. It does not indicate that either contactor is working properly. This LED indication is only useful if either the forward or reverse LEDs are not functioning.
<b>Reverse</b>	Key switch is on and throttle is in reverse	The reverse contactor coil is receiving +12V to energize it. It does not indicate that the contactor is working properly.
<b>Forward</b>	Key switch is on and throttle is in forward	The forward contactor coil is receiving +12V to energize it. It does not indicate that the contactor is working properly.

If the LED indications are correct, check continuity between J2 pins 5 and 6 to measure the throttle speed input signal. Correct values are 5kΩ in neutral, gradually falling to near 0Ω at full throttle in both forward and reverse.

**Any loss of signal from the throttle (+/-12V, 5k-0Ω speed signal, or +12V forward/reverse) will cause the motor controller to fail safe and shut off the motor.**

The motor controller will also fail safe if it does not receive a signal that it is in neutral (no +12V forward or reverse signal) before switching to forward or reverse, as would occur if the key switch is turned on when the throttle is in either forward or reverse.