

# PIN Specifications      TEC-10 Controller

PIN	21 Pin Connector (A)	PIN	31 Pin Connector (B)
A	Unavailable	1	Unavailable
B	Battery (positive)	2	Unavailable
C	Unavailable	3	Unavailable
D	Relay 1, +DC (10A), Default Setting: Crank	4	Unavailable
E	Battery (negative)	5	Unavailable
F	J1939 CAN Shield	6	Unavailable
G	Relay 2, +DC (10A), Default Setting: ECU Enable	7	Unavailable
H	Unavailable	8	Unavailable
J	Alternator Excite Output, +DC (1A)	9	Analog Input 3, Default Setting: Not Used
K	Unavailable	10	Unavailable
L	Unavailable	11	Unavailable
M	Unavailable	12	Unavailable
N	Unavailable	13	Digital Output 1, +DC, (1A), Default Setting: Not in Auto)
P	Unavailable	14	Digital Input 3, Default Setting: Dual Contact Stop, B-
R	Digital Output 3, -DC, (1A), Default Setting: Throttle Decrease)	15	Unavailable
S	Digital Output 4, -DC, (1A), Default Setting: Throttle Increase	16	Unavailable
T	Frequency Input	17	Relay 3 Common (RLY 3 Defaulted to Not Used) <b>10A Max</b>
U	J1939 CAN Low (includes terminating resistor, Default to ON)	18	Relay 3 NC (RLY 3 Defaulted to Not Used) <b>10A Max</b>
V	J1939 CAN High, (includes terminating resistor, Default to ON)	19	Relay 3 NO (RLY 3 Defaulted to Not Used) <b>10A Max</b>
W	Analog Input 2, Default Setting: Not Used	20	Digital Input 5, Default Setting: Low Lube Oil Level B-
X	Analog Input 1, Default Setting: Not Used	21	Digital Input 1, Default Setting: Not Used
<p><b>NOTE: Wiring of this device must meet all applicable electrical codes.</b></p>		22	Unavailable
		23	Digital Input 2, Default Setting: Dual Contact Start, B-
		24	Digital Output 2, +DC, (1A), Default Setting: Engine Running)
		25	Unavailable
		26	Unavailable
		27	Unavailable
		28	Unavailable
		29	Digital Input 4, Default Setting: Low Coolant Level, B-
		30	RS485 (positive)
		31	RS485 (negative)

