

**Trailer Electrical Interface
Model ETC 1224B**

**ISO 1185
Output (24V)**



**SAE 560
Input (12V)**



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Design Features

- Wide Range Input Voltage
- High Efficiency Design
- Hi Ingress Rating, IP 676
- Low Voltage Cutout
- High Voltage Cutout
- Electronically Current Limited
- Thermally Protected
- Low No Load Power Consumption
- All Aluminum Anodized Housing
- Corrosion Resistant Anodized Housing
- 6 Point Mounting

Input/Output Function Table for ETC 1224B

Function	Color	(12 Volts) INPUT		(24 Volts) OUTPUT		Color	Function
		JAE 560 Pin #		ISO 1185 Pin #			
Ground	White	1	→	X	1	White	Ground
Clearance, ID, Lights	Black	2	→	X	2	Black	Left Side - Tail, Marker, Clearance, License Lights
Left Turn Sig.	Yellow	3	→	X	3	Yellow	Left Turn Sig.
Normal Stop Lights	Red	4	→	X	4	Red	Normal Stop Lights
Right Turn Signal	Green	5	→	X	5	Green	Right Turn Signal
Tail, Marker, License Lights	Brown	6	→	X	6	Brown	Right Side - Tail, Marker, Clearance, License Lights
Constant Power	Blue	7	→	X	7	Blue	Trailer Aux Power

INPUT VOLTAGE RANGE	11-17 VDC (nominal) Will withstand up to 24V
INPUT CURRENT	20A max. per Circuit
OUTPUT VOLTAGE	25.6 +, - 0.3 V per circuit
OUTPUT CURRENT	10A per line
OUTPUT REGULATION	0.2V over entire input voltage and load current range
CORROSION RESISTANT	Salt Spray Tested per ASTM B 117

OPERATING TEMPERATURE	-40C to +60C
STORAGE TEMPERATURE	-60C to +125C
OVERLOAD PROTECTION	Electronic
EFFICIENCY	92% Typical
CONSTRUCTION	BLACK ANODIZED ALUMINUM
WEIGHT	14 lbs./ 6.5 kg. total

NOTE: Specifications are subject to change without notice.

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