

**ISO 1185 Input (24V)**



**SAE 560 Output (12V)**



**ISO 1185 Input (24V)** → **SAE 560 Output (12V)**

- 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 Housing
  - 6 Point Mounting

**Input/Output Function Table for UTC 2412B**

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

<b>INPUT VOLTAGE RANGE</b>	21-30 VDC (nominal) Will withstand up to 36V
<b>INPUT CURRENT</b>	10A max. per Circuit
<b>OUTPUT VOLTAGE</b>	13.6 +, - 0.3 V per circuit
<b>OUTPUT CURRENT</b>	15A per line (BRN, BLK, RED, BLUE) 10A per line (YEL, GRN)
<b>OUTPUT REGULATION</b>	0.2V over entire input voltage and load current range
<b>CORROSION RESISTANT</b>	Salt Spray Tested per ASTM B 117

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

**NOTE: Specifications are subject to change without notice.**

Rev 1/15/2019