



7 Wire → **7 Wire**
Input (24V) 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
 - 6 Point Mounting

Input/Output Function Table for UTC 2412GD							
Function	Color	(24 Volts)		X	(12 Volts)	Color	Function
		INPUT			Output		
		Wire			Wire		
Ground	White	1	→	X	1	White	Ground
Left Side - Tail, Marker, Clearance, License Lights	Black	2	→	X	2	Black	Clearance, ID, 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
Right Side - Tail, Marker, Clearance, License Lights	Brown	6	→	X	6	Brown	Tail, Marker, License Lights
Trailer Aux Power	Blue	7	→	X	7	Blue	Constant Power
		INPUT/OUTPUT			7 Wire Cable - 11/3.4 ft./m		

INPUT VOLTAGE RANGE	21-30 VDC (nominal) Will withstand up to 36V
INPUT CURRENT	10A max. per Circuit
OUTPUT VOLTAGE	13.6 +, - 0.3 V per circuit
OUTPUT CURRENT	15A per line (BRN, BLK, RED, BLUE) 10A per line (YEL, GRN)
OUTPUT REGULATION	0.2V over entire input voltage and load current range
INPUT/OUTPUT CONNECTIONS	Hard wired with ring terminal connections

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
CORROSION RESISTANT	Salt Spray Tested per ASTM B 117

NOTE: Specifications are subject to change without notice.

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