

**Trailer Electrical Interface Model  
UTC 2412-7B**

**MS 75021-1 Input (24V)**



**SAE 560/ ISO 1185 Input (24V)**



**JAE 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 Enclosure
- 6 point mounting
- Optional SAE 560 or NATO MS 75021-1 Input Connection
- Output via 12 foot pigtail

**Input/Output Function Table for UTC 2412-7B**

				OUTPUT P3 (Cable)						
				OUT 1	OUT 1	7 Wire (12 Volts)		OUT 1	OUT 1	OUT 1
				White	Yellow	Green	Blue	Brown	Black	Red
<b>INPUTS</b>		wire (pin)	Function							
<b>J1 (Connector)</b>										
	IN 1	A	Blackout Tail	Not Used	X					
	IN 1	B	Left Turn Sig.			X				
	IN 1	C	Convoy Lights (BO Tail)	Not Used						
	IN 1	D	Ground		X					
	IN 1	E	Tail Lights					X	X	
12 Pin	IN 1	F	Blackout Stop Lights	Not Used						
NATO	IN 1	H	Blackout Tail	Not Used						
24 Volts	IN 1	J	Right Turn Signal			X				
	IN 1	K	Trailer Aux Power				X			
	IN 1	L	Ground		X					
	IN 1	M	Normal Stop Lights							X
	IN 1	N	Reverse Lights	Not Used						
<b>J2 (Connector)</b>										
	IN 2	White	Ground		X					
7 Pin	IN 2	Yellow	Left Turn Sig.		X					
SAE 560	IN 2	Green	Right Turn Signal			X				
(ISO 1185)	IN 2	Blue	Trailer Aux Power				X			
24 Volts	IN 2	Brown	Tail & License					X		
	IN 2	Black	Clearance & Side Marker						X	
	IN 2	Red	Brake							X

<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>	25 lbs./ 11.5 kg. total (cable included)

NOTE: Specifications are subject to change without notice.

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