

**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
INPUTS		wire (pin)	Function							
J1 (Connector)										
	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						
J2 (Connector)										
	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

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

NOTE: Specifications are subject to change without notice.

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