

**Trailer Electrical Interface Model
UTC 2412-8**

NATO MS 75021-1
Input



NATO MS 75021-1 → **7 pin SAE 560 (ISO1185)**
Input → **Output**

- 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

7 pin SAE 560 (ISO1185)
Output



Input/Output Function Table for UTC 2412-8

INPUT				OUTPUT J2 (Connector) SAE 560						
J1 (Connector) MS 75021-1	wire (pin)	Function	7 Wire (12 Volts)	OUT 1 White	OUT 1 Yellow	OUT 1 Green	OUT 1 Blue	OUT 1 Brown	OUT 1 Black	OUT 1 Red
	IN 1	A	Blackout Tail	Not Used	X					
	IN 1	B	Left Turn Sig.	Not Used		X				
	IN 1	C	Convoy Lights (BO Tail)	Not Used						
	IN 1	D	Ground	Not Used	X					
	IN 1	E	Tail Lights	Not Used				X	X	
12 Pin NATO	IN 1	F	Blackout Stop Lights	Not Used						
24 Volts	IN 1	H	Blackout Tail	Not Used						
	IN 1	J	Right Turn Signal	Not Used		X				
	IN 1	K	Trailer Aux Power	Not Used			X			
	IN 1	L	Ground	Not Used	X					
	IN 1	M	Normal Stop Lights	Not Used						X
	IN 1	N	Reverse Lights	Not Used						

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	14 lbs./ 6.5 kg. total

NOTE: Specifications are subject to change without notice.

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