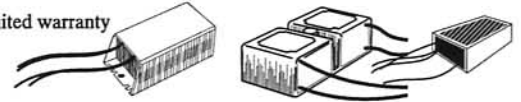


# TRANSFORMERS / CONVERTERS

## HARDWIRE ELECTRONIC CONVERTERS

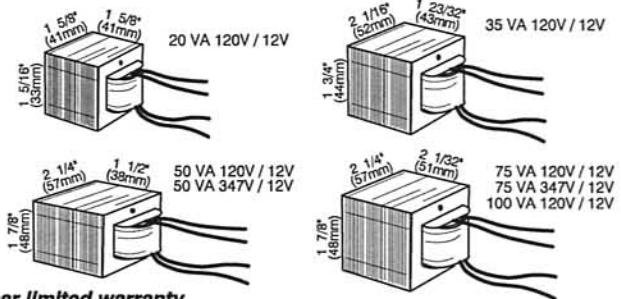
<b>TRAE075</b>	Electronic converter	75 W 120V / 12V
<b>TRAE060</b>	Electronic converter CLASS 2	60 W 120V / 12V
<b>TRAE150</b>	Electronic converter	150 W 120V / 12V

2 Year limited warranty



## CONTRAST HARDWIRE MAGNETIC TRANSFORMERS

<b>TRAM020EC</b>	Magnetic transformer	20 VA 120V / 12V
<b>TRAM035EC</b>	Magnetic transformer	35 VA 120V / 12V
<b>TRAM050EC</b>	Magnetic transformer	50 VA 120V / 12V
<b>TRAM050EC2</b>	Magnetic transformer	50 VA 277V / 12V
<b>TRAM050EC3</b>	Magnetic transformer	50 VA 347V / 12V
<b>TRAM075EC</b>	Magnetic transformer	75 VA 120V / 12V
<b>TRAM075EC2</b>	Magnetic transformer	75 VA 277V / 12V
<b>TRAM075EC3</b>	Magnetic transformer	75 VA 347V / 12V
<b>TRAM100EC</b>	Magnetic transformer	100 VA 120V / 12V



**All Contrast Lighting made hardwire magnetic transformers have a 10 year limited warranty.**

## REMOTE ELECTRONIC CONVERTERS

- Compact and light weight aluminium case design
- Waterproof potting guarantees silent and reliable operation
- Dimmable
- Auto-reset electronic short-circuit and overload protection
- 4 Year limited warranty

**TRAE150R**  
**TRAE300R**

150 VA 120V - 12V  
300 VA 120V - 12V

### DIMENSION

H	W	D
1 7/16"	6 1/2"	1 3/8"
36mm	165mm	35mm
1 9/16"	9 3/8"	1 7/16"
40mm	237mm	36mm



## REMOTE MAGNETIC TRANSFORMERS

- Epoxy encapsulation ensures whisper quiet operation
- Innovative & efficient design allows for compact size and full load operation
- Minimum 94% efficiency and excellent voltage regulation
- Can be dimmed with any incandescent dimmer
- All transformers are equipped with a primary manual reset thermal protector
- Optional secondary breakers are available on request.
- 5 year limited warranty on remote magnetic transformers.

**TRAM150R**

150 W 120V - 12V

Max. Load	150W
Input	120V 60Hz
Output	11.5V
Input Current	1.3A
Open Circuit Current	0.3A
Open Circuit Volts	12.5V
Efficiency	93%
Power Factor	0.961

### DIMENSION

H	W	D
5 5/8"	2 3/4"	2 7/8"
142mm	70mm	73mm

**TRAM3002R**

300 W 120V - 12/24V  
2 x 150VA 12V or  
1 x 300VA 24V output circuits

Max. Load	300W
Input	120V 60Hz
Output	11.5V 23V
Input Current	2.5A
Open Circuit Current	0.4A
Open Circuit Volts	12.3V 24.8V
Efficiency	93%
Power Factor	0.961

H	W	D
6 3/8"	3 3/8"	3"
162mm	85mm	76mm

**TRAM300R6**

300 W 120V - 6x12V  
6 x 50w CLASS II  
output circuits

Max. Load	300W
Input	120V 60Hz
Output	11.5V
Input Current	2.73A
Open Circuit Current	0.49A
Open Circuit Volts	12.3V
Efficiency	92%
Power Factor	0.979

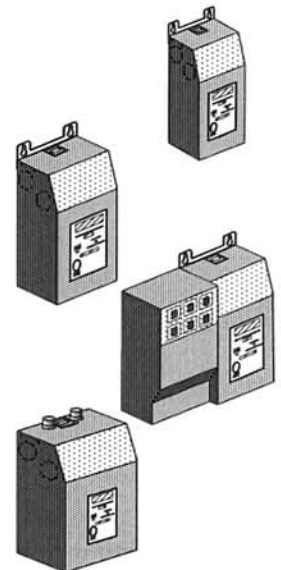
H	W	D
6 3/8"	7 1/8"	3"
162mm	180mm	76mm

**TRAM6002R**

600 W 120V - 12/24V  
2 x 300VA 12V or 1 x 600VA 24V  
output circuits

Max. Load	600W
Max. Load Per Circuit	300W 600W
Num. Of Circuit	2 1
Input	120V 60Hz
Output	11.5V 23V
Input Current	5.1A
Open Circuit Current	0.6A
Open Circuit Volts	12.4V 24.8V
Efficiency	96%
Power Factor	0.98

H	W	D
6 3/4"	4 3/4"	4 3/8"
171mm	120mm	110mm



### REMOTE TRANSFORMER APPLICATIONS VOLTAGE DROP TABLE

To minimize voltage drop, transformer should be located as close to fixture as possible

MAXIMUM NUMBER OF FEET IN RUN TO KEEP VOLTAGE DROP UNDER 5%

WIRE GAUGE	25	13	10	8	6	5	4	-	-
18	25	13	10	8	6	5	4	-	-
16	40	20	16	13	10	8	6	5	4
14	72	35	27	23	17	13	10	8	6
12	108	54	42	38	29	21	18	14	10
10	174	87	67	58	45	34	28	22	17
8	278	139	108	92	72	54	45	36	27
6	442	221	172	146	114	86	72	57	43
TOTAL WATTS ON RUN	20	40	50	60	75	100	125	150	200

EXAMPLE : Using 12 gauge wire, with a total of 100 watts, the fixtures may be located up to 21 feet from the remote transformer

