

Magellan Low Voltage Flexible Track System

Transformers and Dimming Controls

Catalog No. _____

Type _____

Project _____

Specifications/Features

Both magnetic and electronic transformers can be used with the Magellan Flexible Track System. These transformers are available for surface mount and remote mount applications to suit your design and installation needs.

When voltage and lamp brightness at the beginning of an illuminated section (close to the transformer) are higher than the voltage and lamp brightness at the end, the difference is known as "Voltage Drop."

For a proper low voltage lighting system, circuit runs must be of sufficient size wire to maintain a proper operating voltage to all lamps. Maximum allowable voltage drop should not exceed 5%.

Electronic Transformers

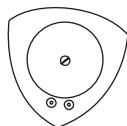
- Maximum wiring distance (from remote transformer to start of track):
12' (max.*) with AC Electronic Transformer (use minimum 10ga. wire)
40' (max.*) with DC Electronic Transformer (use minimum 10ga. wire)
**Distances may be extended with thicker gauge wire.*
- These transformers may be dimmed with dimmers specifically designed for use with Low Voltage Electronic Transformers.
- All electronic transformers offer auto-reset short circuit protection, overload protection, and thermal cut-off at 257°F.
- These electronic transformers will not operate without a minimum 30% load.
- UL Listed (UL 2108 compliant)

Magnetic Transformers

- Maximum distance with Magnetic Transformer should not exceed 40'.
- These transformers may be dimmed with dimmers specifically designed for use with Low Voltage Magnetic Transformers.
- High reliability with magnetic circuit breakers.
- Primary 5% boost tap provided to compensate for voltage drop on long runs of 20' or more.
- These UL Listed (UL 2108 compliant) transformers will operate with any load.

WIRING DISTANCE IN FEET (REMOTE TRANSFORMER TO START OF TRACK)					
Low Voltage Output	Transformer Wattage	#10 GA Wire	#8 GA Wire	#6 GA Wire	#4 GA Wire
12 Volt	150 Watt	23'	36'	57'	91'
12 Volt	250 Watt	14'	21'	34'	55'
12 Volt	300 Watt	11'	18'	28'	45'

Ampere Capacity	Wire Gauge
25	10
35	8
50	6
70	4



Surface Mount Transformer with Toroidal Transformer

Built-in 12V, 300W magnetic toroidal transformer. Circuit breaker included. Use with power feeds. Covers standard octagon ceiling box. 7-1/8" W x 3-3/4" H

CRS318-(AB,S)

Remote Magnetic Transformers

All Remote Transformers have black finish

- LVT-150** - 150VA 120/12V with Magnetic circuit breaker.
3-1/2" L x 3-1/2" W x 13" H
- LVT-300** - 300VA 120/12V with Magnetic circuit breaker.
4-3/8" L x 4" W x 13-3/8" H
- LVT-300 277V** - 300W 277/12V with Magnetic circuit breaker.
4-3/8" L x 4" W x 13-3/8" H
- LVT-300-24** - 300W 120/24V with Magnetic circuit breaker.
4-3/8" L x 4" W x 13-3/8" H
- LVT-500-C** - (2) 250W 120/12V Transformers; (2) magnetic circuit breakers, (1) primary.
4-3/8" L x 4-1/2" W x 12-3/8" H
- LVT-600-24** - 600W 120/24V with Magnetic circuit breaker.
5-3/8" L x 4-3/4" W x 9-1/2" H
- LVT-600-277V-24** - 600W 277/24V with Magnetic circuit breaker.
5-3/8" L x 4-3/4" W x 9-1/2" H
- LVT-600-C** - (2) 300W 120/12V Transformers; (2) magnetic circuit breakers, (1) primary.
5-1/4" L x 4-3/4" W x 14-1/4" H
- LVT-1200-C-24** - (2) 600W Circuits, 120/24V magnetic transformers, (2) magnetic circuit breakers, (1) primary.
6" L x 5-1/2" W x 10-1/2" H

Power Feed

Power Feed Surface Transformer to Track. 11-13/16" of 10-2 wire. Allen wrench included. 12-24V, 25A rating. Finish: -AB, -S

CRS293



Surface Mount Canopy with Electronic Transformer

For remote transformer applications. Use with power feeds. Covers standard octagon ceiling box. 2-1/2" H x 4-1/2" Dia. Platinum finish.

SA54T-PL

Remote Electronic Transformers

All Remote Transformers have black finish

- LVT-151** - 150W 120/12V Transformer must be within 12' of power stem.
6-1/2" L x 1-1/2" W x 1-3/8" H
- LVT-151 24V** - 150W 120/24V Transformer must be within 12' of power stem.
6-1/2" L x 1-1/2" W x 1-3/8" H
- LVT-151-DC** - 150W DC 120/12V
6-1/2" L x 1-1/2" W x 1-3/8" H
- LRT-181** - 180W 120/12V Must use a min. of 10 X 3W when using dimmers.
5-1/8" L x 4-11/16" W x 1-5/8" H

Feed Wire

For CRS293. 10-2 stranded cord with clear insulation. Crimped ends for CRS293 track adapter. 12-24V, 25A rating. Finish: -AB, -S

CRS-FEEDWIRE-3M- 9' 10" L Feed Wire

CRS-FEEDWIRE-6M- 19' 7" L Feed Wire