

Instructions: 24V Multi-Tap Magnetic Transformers

Models: SRT Series

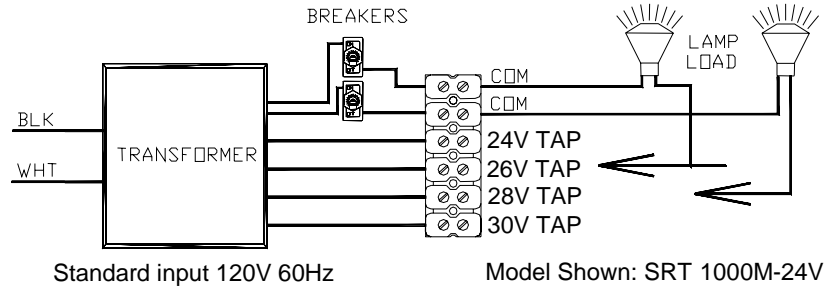
Have a qualified person install transformer. Install in accordance with National Electric Code, and local regulations. Consult with local inspector to assure compliance.

Indoor transformers are UL 2108 listed. They are equipped with a unique multi-tap voltage terminal board. This feature allows you to have the correct voltage at the load.

You may utilize one, two, three, or all the taps at once, as long as maximum wattage for the circuit is not exceeded. All units are equipped with re-settable secondary circuit breakers.

24 VOLT SYSTEM

Model	Max Load	
SRT-300M-24V	300W	(1) 300W circuit
SRT-500M-24V	500W	(1) 500W circuit
SRT-600M-24V	600W	(1) 600W circuit
SRT-1000M-24V	1000W	(2) 500W circuits



Installation:

1. Mount the transformer to a solid surface using the keyhole slot on the mounting bracket. For surface mount application use the keyhole slot for ease of mounting.
2. Turn off the electrical power at panel.
3. Measure the approximate distance from the transformer to the load. Use table below to select the correct tap at the transformer.
4. Strip approximately 1/2" of insulation off of each low-voltage cable. Push the bare wire under the terminal screws on the terminal block and tighten the screw securely. Connect your incoming voltage source wires to the White and Black wires using wire nuts. Connect your Ground wire to the Green wire or stud in the console. Remember all primary and secondary wiring must be Class 1 or Class 2 per National Electric Code article 411.
5. Make sure all wiring is tight and secure. Turn on all breakers inside the console. Turn on your main breaker. Measure voltage at the lamp. Ideal lamp voltage should be between 23 – 24V. If your voltages are lower, then pick the correct tap at the secondary terminal board. Remember each tap increases your voltages by approximately one volt. (Depending on the length of cable). Check the voltages at the load again and make sure you do not exceed the proper voltages.
5. Install cover using provided screws.

VOLTAGE DROP TABLE FOR LOW VOLTAGE CABLE RUN

WATTAGE	24 Volt Terminal Setting		26 Volt Terminal Setting		28 Volt Terminal Setting		30 Volt Terminal Setting	
	12 AWG. Wire	10 AWG. Wire	12 AWG. Wire	10 AWG. Wire	12 AWG. Wire	10 AWG. Wire	12 AWG. Wire	10 AWG. Wire
100 - 150	20'	32'	116'	184'	211'	336'	307'	488'
150 - 200	15'	24'	87'	138'	159'	252'	230'	366'
200 - 250	12'	19'	69'	111'	127'	202'	184'	293'
250 - 300	10'	16'	58'	92'	106'	168'	154'	244'

