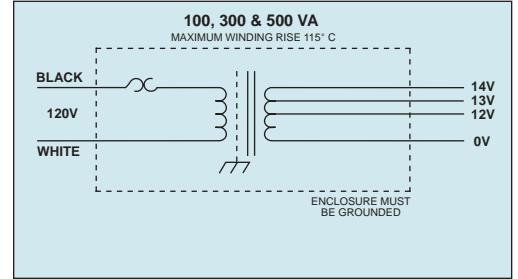


# Pool & Spa Specifications Dimensions & Selection



## WIRING DIAGRAMS



### GROUP IV

120 VOLT INPUT — 12, 13 OR 14 VOLT OUTPUT — 1Ø, 60 Hz



VA RATING	COLD - ROLLED STEEL ENCLOSURE CATALOG NO. ①	STAINLESS STEEL ENCLOSURE CATALOG NO. ①	APPROX. DIMENSIONS INCHES (CM.)			APPROX. SHIP. WEIGHT LBS. (KG.)	KNOCKOUT SIZE IN. (CM.)	CURRENT (MAX. AMPS)	PRIMARY LDS. 2 PCS. OF #	SECONDARY LDS. 4 PCS. OF #
			HEIGHT	WIDTH	DEPTH					
100	T179101SL	T79101SL	8.40 (21.3)	3.50 (8.9)	4.83 (12.3)	7 (3.2)	Two Single	8.3	14 CU	12 CU
100	T179101SR	T79101SR	8.40 (21.3)	3.50 (8.9)	4.83 (12.3)	7 (3.2)	.875 (2.2)			
300	T179203SL	T79203SL	8.40 (21.3)	4.22 (10.7)	5.50 (14.0)	12 (5.4)	Two Single	25.0	14 CU	12 CU
300	T179203SR	T79203SR	8.40 (21.3)	4.22 (10.7)	5.50 (14.0)	12 (5.4)	.875 (2.2)			
500	T179105SL	T79105SL	10.00 (25.4)	4.41 (11.2)	5.66 (14.4)	15 (6.8)	Two Single	41.6	14 CU	10 CU
500	T179105SR	T79105SR	10.00 (25.4)	4.41 (11.2)	5.66 (14.4)	15 (6.8)	.875 (2.2)			

## GUIDE CHART ②

For Selecting Secondary Voltage Tap To Be Used With Various Wire Sizes For Given Distances Between Transformer And Lamps

DISTANCE FT. (M.) FROM TRANSFORMER TO LAMPS FOR 100 WATT LOAD													
Wire Size (Gauge)	Less Than 30 (9.1)	30 (9.1)	60 (18.3)	90 (27.4)	120 (36.6)	150 (45.7)	180 (54.9)	210 (64.0)	240 (73.2)	270 (82.3)	300 (91.4)		
14	12V	13V	14V	Use Larger Wire Size									
12	12V	13V	13V	14V	Use Larger Wire Size								
10	12V	13V	13V	14V	14V	Use Larger Wire Size							
8	12V	12V	12V	13V	13V	13V	14V	14V	14V	14V	Use Larger Wire Size		
DISTANCE FT. (M.) FROM TRANSFORMER TO LAMPS FOR 300 WATT LOAD													
Wire Size (Gauge)	Less Than 10 (3.0)	10 (3.0)	20 (6.1)	30 (9.1)	40 (12.2)	50 (15.2)	60 (18.3)	70 (21.3)	80 (24.4)	90 (27.4)	100 (30.5)	110 (33.5)	120 (36.6)
12	12V	13V	13V	14V	Use Larger Wire Size								
10	12V	12V	13V	13V	14V	14V	Use Larger Wire Size						
8	12V	12V	12V	13V	13V	13V	14V	14V	14V	Use Larger Wire Size			
6	12V	12V	12V	12V	13V	13V	13V	13V	14V	14V	14V	14V	14V
DISTANCE FT. (M.) FROM TRANSFORMER TO LAMPS FOR 500 WATT LOAD													
Wire Size (Gauge)	Less Than 10 (3.0)	10 (3.0)	20 (6.1)	30 (9.1)	40 (12.2)	50 (15.2)	60 (18.3)	70 (21.3)	80 (24.4)	90 (27.4)	100 (30.5)	110 (33.5)	120 (36.6)
10	12V	13V	14V	14V	Use Larger Wire Size								
8	12V	12V	13V	13V	14V	Use Larger Wire Size							
6	12V	12V	13V	13V	13V	14V	14V	14V	Use Larger Wire Size				
4	12V	12V	12V	12V	13V	13V	13V	13V	14V	14V	14V	14V	14V

① Suffix – SL denotes primary cable entry from left side, low voltage right side. Suffix – SR denotes primary cable entry from right side, low voltage left side. All units have auto-thermal reset.

② Confirm tap selection by measurement of voltage at lamp terminals when all of the lamps are operating.