



## **MODEL T-3002**

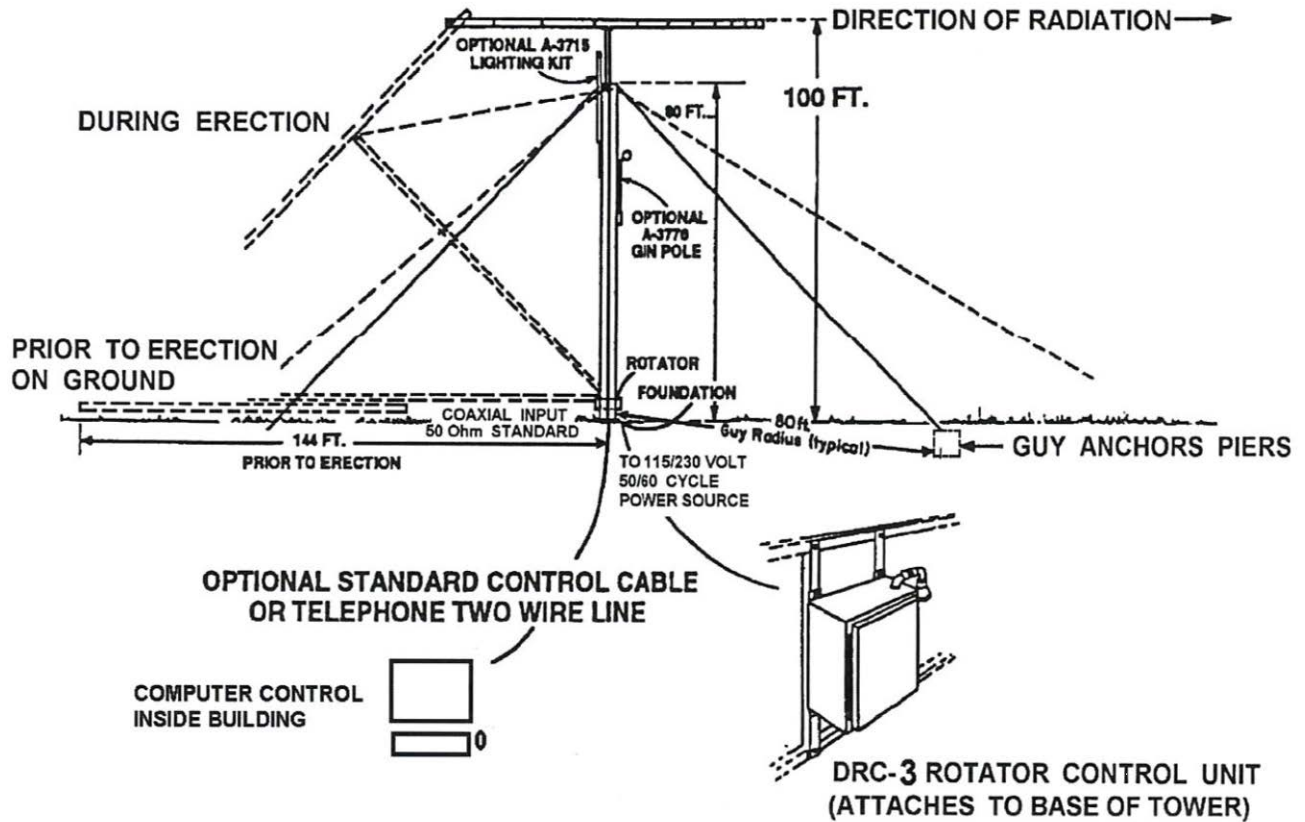
*RLPA TOWER SYSTEM  
DUAL GUYED TOWER  
SELF SUPPORT TOWER*



The Model T-3002 tower and rotator system is the ultimate support for large HF log periodic antennas. The T-3002 is specifically designed to support the USAP antennas Models, LP-1001, LP-1002 or the 3 to 30 MHz, LP-1005.

The DUAL TOWER guyed system consists of two 80 foot steel knockdown support towers, a base rotator supported on pivotal yokes between the towers. This system can be tilted down for ground level maintenance of the antenna. A SELF SUPPORT tower is available. This option eliminates the guy wires, but precludes the option of lowering the antenna without a crane. Both systems have a 100 (or 80) foot rotating mast with a 1-5/8 inch pressurized feedline installed inside, a 25 kW rotary joint and all accessories and hardware needed for installation. The rotator used is the heavy duty Model R-3503, equipped with the DRC-3, two-wire control unit. The rotating mast and ground level rotator design places the vertical load of the antenna at the base of the tower rather than at the top. This provides increased system stability and greater wind load survivability. Rotator maintenance can be performed without climbing the tower.

# DUAL TOWER TYPICAL INSTALLATION



## Specification Summary

<b>T-3002</b>	
Overall Height	100 ft. (30.38 m) (80 ft. option available)
Voltage Required	115V or 230V 50/60 Hz. Single phase
Installation Area Required	Dual Tower- 0.31 acres (1254 sq. M) Self-Support- 100 sq. ft.
Transportability	Can be shipped by any mode of transportation in factory crating.
Feedline	50 ohm pressurized feedline
Input Connector	1-5/8" EIA coaxial flange
Wind and Ice Loading	Dual Tower: Wind and NO Ice: 130 mph (209. Km/h) Wind and ½ Radial Ice: 105 mph (168.9 Km/h) Self Support Tower: 100MPH
Azimuth Rotation Speed	1-1/4 rpm MAX User Definable

3002FB- This tower is the same as the 3002FA Dual Tower with the exception of the tower sections being 60 feet tall, and the rotating mast being 80 feet tall.

3002SS-80- This tower is the same as the 3002SS Tower with the exception of the tower sections being 60 feet tall, and the rotating mast being 80 feet tall.

<b>T-3002 Ordering Information</b>	
3002FA	100 ft. Dual Tower System
3002FB	80 ft. Dual Tower System
3002SS	100 ft. Self Support Tower
3002SS-80	80 ft. Self Support Tower

### **Optional Accessories**

Lighting Kit, Safety Climb, Safety Ladder, Lighting Protection, Gas Block, 90 degree EIA elbow, and control cables.