

Sky King ROTATOR

Model SU-2000 5 E

GENERAL COMMENTS

The control unit is usually placed near the TV or radio and rotates the drive unit mounted to the base of the antenna. The position of the dial on the control unit is always fully synchronized with the drive unit.

The rotator set includes the following.

- control unit
- drive unit
- toothed clamp assembly (2 sets)
- lower pole clamp assembly (attached to drive unit on some executions)

Please read instructions once carefully before beginning installation.

1. CABLE CONNECTION BETWEEN DRIVE UNIT AND CONTROL BOX

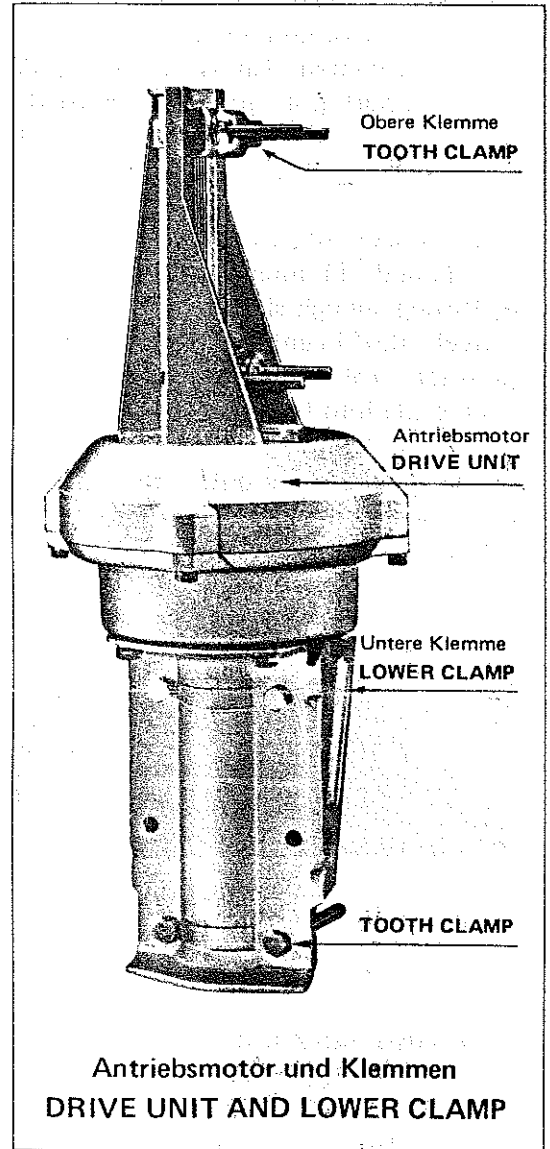
First connect drive unit to control box with 5 core cable to set and test rotator. For lengths of up to 40 meters (130 ft.), use 0.5mm² (#20) 5 core cable. Connect terminal #1 of drive unit to terminal #1 of control box, #2 of drive unit to #2 of control box, #3 to #3, etc. Make sure each lead is firmly held by the terminal connector.

Set control box direction dial to "N", and push "push button".

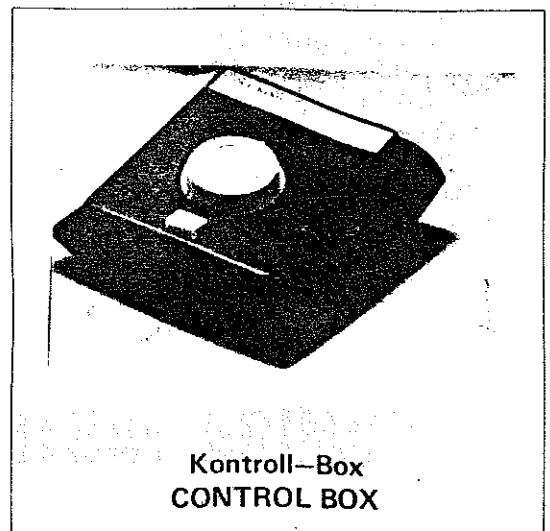
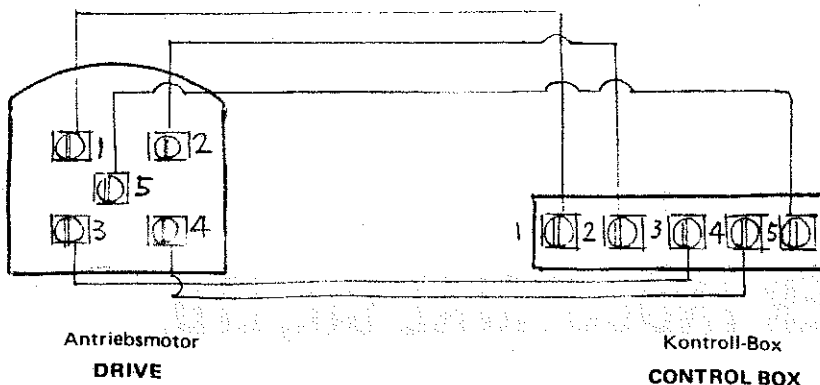
Spot lamp will light as drive unit moves to appropriate position.

NOTE: Drive unit will not move if it is already pointing toward "N". In this case, point direction dial to "E". After drive unit has moved to "E", reset dial to "N" and move drive unit to the same position by pushing the "push button".

Drive unit is now set and ready for mounting.



Anschlüsse Kontroll-Box zum Antriebsmotor
CABLE CONNECTION BETWEEN CONTROL BOX AND DRIVE UNIT



2. DRIVE UNIT MOUNTING

If lower clamp is not already attached to the lower case of the drive unit, attach firmly with the 4 bolts and washers provided.

Next loosely fix toothed clamps to lower pole clamp with bolts, nuts and washers provided. Fit clamp over support pole. Pole diameter may vary from 28-44mm (1-1/8-1-3/4") with 36mm (1-1/2") adequate for most mounts. Tighten the clamps making sure the drive unit assembly is perfectly vertical. Do not overtighten clamps as this will deform and weaken support pole and not add to the gripping power. If guide wires are used, attach to support pole and upper bolts of lower pole clamp.

4. ANTENNA CABLE CONNECTION

Fasten TV and FM antenna cable to mast using stand offs, leaving enough slack to allow drive unit to rotate freely 180° in either direction.

Tape rotator cable directly to support pole and pass rotator cable into building. It is recommended that an approved lightning arrester be installed at the point where the cable enters the building. Ground two outside conductors of rotator cable through arrester.

3. ANTENNA MOUNTING

Loosely mount toothed clamps to mast clamp of drive unit with bolts, nuts and washers provided. Point antenna to the NORTH and insert antenna mast into clamp from above making sure that distance between top of clamp and antenna is as short as possible, but not less than 7 cm (3"). Tighten nuts on toothed clamps, but avoid over-tightening. Teeth in clamps act to prevent antenna mast from slipping.

5. OPERATION

Plug the electric cable into an AC socket. Point the directional dial in the desired direction and push the push button. The pilot lamp will light as the drive unit rotates the antenna to the same position. The pilot lamp will turn off when the drive unit stops.

The provided labels are for easy antenna directioning. Once the position of best reception for a certain channel is determined, mark it on the control unit with the label of the same number.

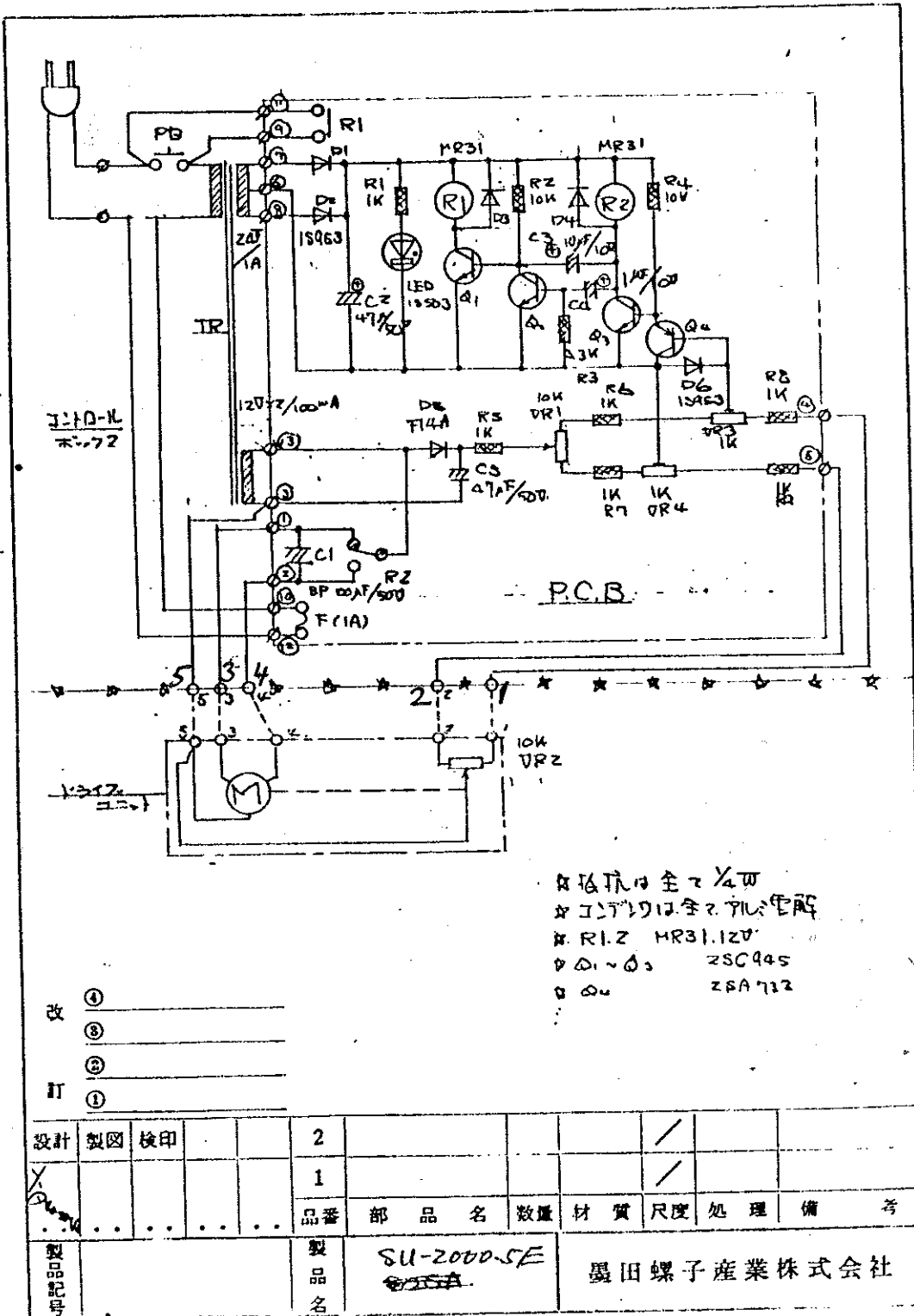
WARNING: Pilot lamp will turn off when drive unit stops. If pilot lamp should not turn off within 60 seconds, unplug control box immediately and have the unit repaired. Continued use will cause serious damage.

SKY KING SU-2000 TV/FM LIGHT-WEIGHT HAM ANTENNA ROTATOR

| | |
|---------------------------------|--------------------------------------|
| INPUT VOLTAGE | 117/220 VAC, 50/60 Hz, 40 VA maximum |
| MOTOR | 24 VAC |
| ROTATION | 360°+5/-0° with mechanical stop |
| ROTATION TIME | 50 Hz-60 seconds 60 Hz-50 seconds |
| ROTATION TORQUE | 200 kg-cm (175 lb-in) minimum |
| STATIONARY BRAKING TORQUE | 1000 kg-cm (875 lb-in) minimum |
| MAST SIZE | 28-44 mm (1-1/8-1-3/4") diameter |
| VERTICAL LOAD | 50 kg (110 lbs) maximum |
| CABLE | 5 core/0.5 mm (#20) |
| WIND LOAD AREA | 0.25 m (2.7 ft) |
| WEIGHT | 5 kg (11 lbs) |

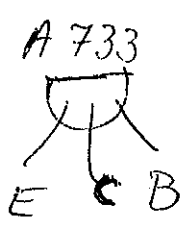
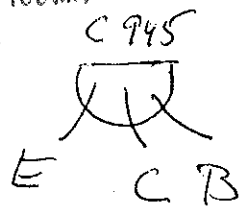
SUMIDA FASTENER INDUSTRIAL CO., LTD.

Äldre modell, Antennrotor SKY KING från Clas Ohlson



★抵抗は全て 1/4W
★コンデンサは全て 50V 電圧
★ R1, Z MR31, 120V
★ D1 ~ D3 ZSC945
★ D4 ZSA712

NPN 50V 100mA
250mW



PNP 40V 100mA 250mW