



### NOTES

- 1) MODULES ARE NAMED BY THE BAND THAT THEY DETERMINE BEFORE THEIR RELAY IS ENERGIZED.
  - 2) IT IS USUALLY NOT NECESSARY TO ADJUST ANTENNA LENGTHS ON THE HIGHER FREQUENCY BANDS. THIS IS BECAUSE THE ANTENNA HEIGHT ABOVE GROUND IS USUALLY GREATER THAN A QUARTER WAVELENGTH. ON THE LOWER FREQUENCY BANDS THE PROXIMITY TO GROUND NARROWS THE BANDWIDTH AND IT MAY BE NECESSARY TO ADJUST THE CENTER FREQUENCY BY ATTACHING A SHORT LENGTH OF WIRE TO THE MODULE AS SHOWN ON THE 80M MODULE AND THE END INSULATOR.
  - 3) ADDITIONAL MODULES CAN BE ADDED TO BREAK THE 160M BAND INTO MORE THAN ONE SEGEMENT. THE ANTENNA CONTROLLER CAN WORK WITH UP TO 11 MODULES (12 BANDS)
  - 4) TO LEAVE OUT THE 30M MODULE MAKE SPACING BETWEEN THE 20M MODULE AND THE 40M MODULE  $86 - 7/8" + 3 - 1/2" + 91"$ .
- THE BARE ANTENNA WIRE SHOULD BE 3 INCHES LONGER BECAUSE 1 - 1/2 INCHES IS USED AT EACH CONNECTION POINT
- 5) WIRE LENGTH DIMENSIONS ARE TYPICAL. THE BEST WIRE LENGTH MAY VARY DUE TO HEIGHT ABOVE GROUND, GROUND TYPE, AND NEAR BY OBJECTS SUCH AS BUILDINGS AND TREES.

SHORT LENGTHS OF WIRE CAN BE USED TO DECREASE THE CENTER FREQUENCY OF A BAND.

FIG 2