



HIGH PERFORMANCE HF RECEIVING SYSTEMS & COMPONENTS

Hi-Z 4 Four Element Phased Array System



This controller was designed to connect 4 shortened antennas using Hi-Z amplifiers into a directional receiving antenna. This new and unique circuit configuration uses Tri-Phase combining for extra accurate phasing and amplitude stability. This unit uses only two delay lines and provides a form of time delay phasing that provides more than one band coverage with the Hi-Z elements. This unit was optimized for the 160 meter amateur band but can be used from below the broadcast band to over 30MHz. A typical 80 foot square layout of 20-24 foot tall elements and Hi-Z amplifiers can provide 12.1 dB of Relative Directivity Factor and 30 dB of front to back ratio on 160 meters. Of course the best performance depends on the accuracy of the antenna layout, the accuracy of the connecting and phasing cables, and any interfering nearby structures. More information is at http://www.hizantennas.com/controller_4_elements.htm Price, \$675.00.

Hi-Z Antennas has 10+ years of continuous engineering and design experience in the pursuit of perfection. This is unparalleled expertise.

Specifications

- RDF Up to 12.1 dB.
- Covers 160, 80, 40 meters
- 4 selectable directions
- Power usage +13.8 VDC at 250 ma.

Benefits

- Best performing 4 element RX phased vertical array in the smallest foot print (80 feet square, typical)
- Scalable – can be configured for best RDF or best F/B ratio by the customer
- High RF field survivability – Running QRO in close proximity to the Hi-Z 4 is no problem (no sequencing)
- State of the art design and upgradeable to Hi-Z 4-8PRO (convert Hi-Z 4 into tri-band 8 element circle array)
- Excellent IMD properties, performs in chaotic high RF areas under contesting conditions

Hi-Z Antennas™ offers a 30 Day Money Back Guarantee! 30 days after receipt of product, NO WORRIES!

For further information please contact us at the following:

Hi-Z Antenna Website url - <http://www.hizantennas.com/> E-mail Address – contact@hizantennas.com

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