



Field Unit Yagi Antenna Guidelines

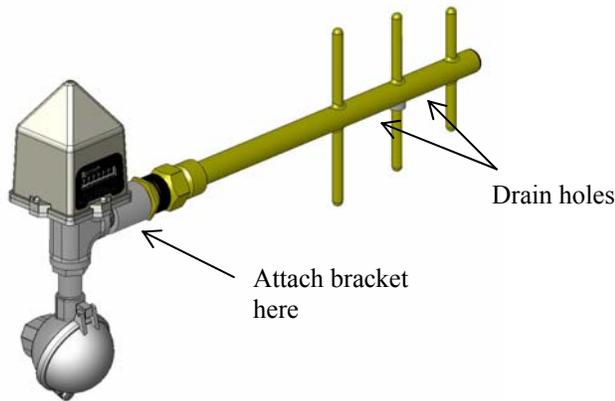
Warning! Always use caution when installing this antenna. You can be seriously injured if this antenna comes near or in contact with a power line. Follow all local and national electrical code requirements when installing a Field Unit with a Yagi antenna.

Follow these guidelines for using a Field Unit with a Yagi Antenna. The following model numbers are covered here:

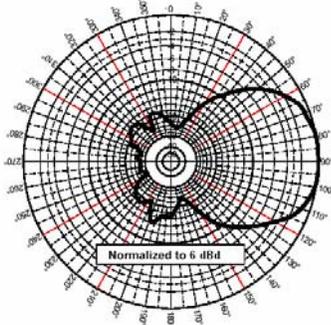
Field Units

WI-AI-S-Y6
 WI-AV-S-Y6
 WI-RT-S-Y6
 WI-TC-S-Y6

Multi-Input Field Unit with 6 dBd Yagi (Dual 4-20 mA, Jct Box, ½” NPT)
 Multi-Input Field Unit w/6 dBd Yagi (Dual 0-10 V Input, Jct Box, ½” NPT)
 Temperature Field Unit with 6 dBd Yagi (Remote RTD, RTD not inc)
 Temperature Field Unit with 6 dBd Yagi (Dual, remote T/C, T/C’s not inc)



1. Point the end of the Yagi antenna in the direction of the Base Radio.
2. Do not use the Field Unit’s process connection to support the Yagi antenna. It is recommended to use a bracket to support the additional weight of the antenna.
3. Do not mount a Yagi antenna on a structure, vessel or pipe subject to large shock or excess vibration. We generally recommend remote mounted or split architecture sensors when using the high-gain Yagi antennas. Using a remote sensor allows the electronics unit and the antenna to be mounted on a high, open and stable base for optimal transmission distance.
4. Attach a bracket to the stainless steel coupler, NOT to the shaft of the Yagi antenna.
5. Make sure that the drain holes are facing down- on the bottom of the antenna. They provide drainage for moisture. The drain holes are located between the elements and are labeled with stickers that say: “Drain holes”.



RF Radiation Pattern for Yagi Antenna

Technical Specifications	
Length	18”
Gain	6 dBd
Weight	1.5 lbs
Polarization	Vertical
Safety	FM rated Intrinsically Safe for Class I/II/III, Division 1, Groups A,B,C,D,E,F&G; Class I/II/III, Division 2, Groups A,B,C,D,F & G
	NEMA 4X, Integral Mount



A Division of Adaptive Instruments Corp.
 577 Main Street • Hudson, MA 01749 U.S.A.
 TEL: 800-879-6576 • 978-568-0500
 FAX: (978) 568-9085
 Email: wireless@adaptiveinstruments.com
 Website: www.accutechinstruments.com

