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Wireless Systems Save On Level Sensor Installation



Reduce the cost and complexity of installing your silo inventory management system using BinMaster's wireless communication solutions. Easily programmable, compact devices replace wires with over-the-air technology. A simple point-to-point configuration eliminates the hassle and cost of running wires. Point-to-multipoint systems are easily scaled for more complex deployments using additional wireless units, base stations, and wireless repeaters. Either setup can transmit up to a mile line-of-sight outdoors or 500 feet indoors.

For easy point-to-point communication, the WR-30-TR wireless bridge uses two weather-proof units to transmit analog, Modbus®, or discrete data over the air. For more complex applications, a custom point-to-multipoint system can be built using two or more WR-90-TR units in conjunction with a base station. Each base station accommodates up to 16 dual input/output expansion cards to transmit analog, digital, or Modbus® signals to a maximum of 32 WR-90-TR field units. Base stations are tailored using four types of modular input/output cards with your choice of dual analog inputs, dual analog outputs, digital I/O, or dual relays.

Add the WR-30-RP wireless signal repeater to either a point-to-point or point-to multipoint system to retransmit wireless signals when connectivity is an issue. Repeaters are used to reroute signals around permanent obstacles or to transmit signals over distances exceeding one mile. Used with either the WR-30-TR or WR-90-TR, they are easy to install, requiring only power and a network ID. Any wireless bridge in range of the repeater with the same network ID will retransmit through it, increasing signal strength.

These wireless systems are compatible with BinMaster's non-contact radar, guided wave radar, and laser level sensors. Use them to get data to a PLC in your control room or to BinView or BinInventory software for inventory access on your phone, tablet, or PC.

About BinMaster

BinMaster got its start in the early 1960s when a local seed company asked Garner Industries to fabricate a switch to alert when bins were full. Today, BinMaster is a privately held, independent US manufacturer of point and continuous level indicators and inventory management systems used for monitoring bulk solids or liquids in bins, tanks, silos and hoppers. More than just level sensors, the company offers complete solutions using wireless devices and web applications to send data to a control room, console, smartphone, tablet, or PC. Robust, custom systems can be developed for a single site or networked across a multi-national operation. BinMaster is certified to ISO 9001 quality management systems—requirements. For more information about BinMaster, visit www.binmaster.com.

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