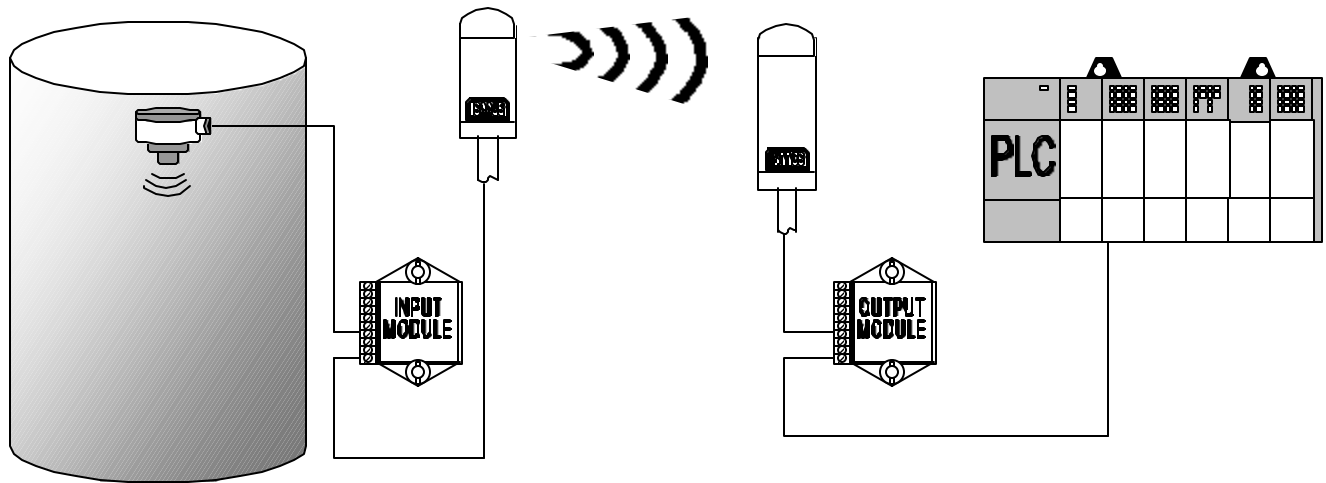


Smart Wireless SOLUTIONS

SmartData™ Remote Level Sensing System



TRANSMITS LEVEL MEASUREMENT OF A REMOTE TANK TO A LOCAL PLC OR PANEL METER

PLUG AND PLAY SIMPLICITY

At the tank site, the input module converts the level sensor's 4-20 mA analog signal into serial RS-485 data. The SmartData™ transmitter packetizes the data and sends it to the SmartData™ receiver at the PLC site. The receiver converts the transmission packet back into serial RS-485 output and delivers the transmitted remote data to the output module. The output module then recreates and delivers the analog signal to the PLC.

Unique digital addressing allows one transmitter to support multiple sensors and input modules, and one receiver to support multiple transmitters and output modules. The system is shipped factory programmed to best fit individual application needs.

ISAACS SPREAD SPECTRUM RELIABILITY

Isaacs SmartData™ systems utilize 900MHz, frequency hopping, spread spectrum digital radio technology to reliably transmit data, analog signal information, or digital inputs/outputs from remote locations.

The Isaacs spread spectrum transmitter sends each data transmission multiple times across a range of frequencies. With our proprietary communications protocol, data encoding, and unique digital addressing, Isaacs radios are virtually interference immune.

NO FCC LICENSE REQUIRED

Optimum radio performance (up to 5 mile range) requires line of sight between transmitter and receiver with respect to ground or foliage. The Isaacs SmartRepeater™ is available for sites with major obstacles or range beyond 5 miles.

NO CONTROL WIRE NEEDED

Avoid the effort and expense of running control wire between tank and PLC. SmartData™ components are conveniently packaged in weatherproof enclosures with integrated internal antennas for quick and easy installation.

CONTACT US:



TYPICAL SYSTEM COMPONENTS

1 each	TS0771T	771T SmartData™ Transmitter
1 each	TS0775R	775R SmartData™ Receiver
1 each	TS0373-1252	4-20mA Analog Input Module
1 each	TS0373-3262	4-20mA Analog Output Module
1 each	TS0376	Ultrasonic Level Sensor

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