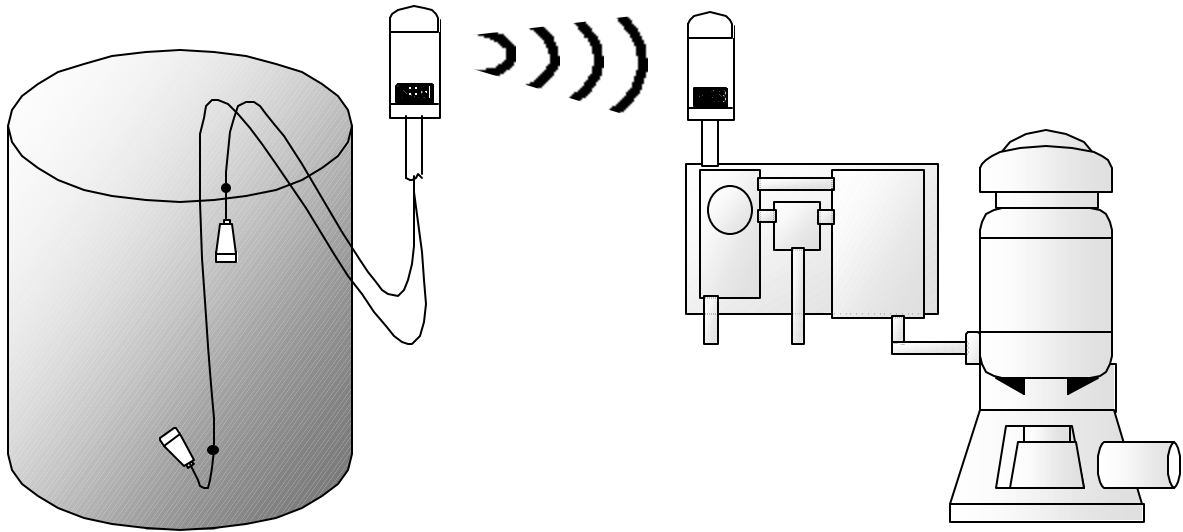


Smart Wireless SOLUTIONS

SmartSwitch™ Remote Pump Control



MONITORS IN-TANK LEVEL SWITCHES AND PROVIDES AUTOMATIC REMOTE CONTROL OF PUMP

PLUG AND PLAY SIMPLICITY

The Isaacs *SmartSwitch*™ transmitter monitors and distinguishes between the high and the low level switches. As the water level in the tank falls below the low level switch, the transmitter sends a “turn on” signal to the receiver at the pump. As the tank fills and the water level rises above the high level switch, the transmitter sends a “turn off” signal.

No electrical service is needed at the tank site; the transmitter is battery powered with a long-life (up to 5 years) lithium battery. The transmitter also monitors its battery condition and notifies the receiver when a battery change is required.

At the pump site, the “turn on” signal from the transmitter causes the receiver to latch the pump start circuit on. The “turn off” signal unlatches the circuit to stop the pump.

ISAACS SPREAD SPECTRUM RELIABILITY

Isaacs *SmartSwitch*™ systems utilize 900MHz, frequency hopping, spread spectrum digital radio technology to reliably transmit switch openings and closures from remote locations.

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

TYPICAL SYSTEM COMPONENTS

1 each	TS0603T	603T <i>SmartSwitch</i> ™ Transmitter
1 each	TS0607R	607R <i>SmartSwitch</i> ™ Receiver
1 each	ER193	DPDT Relay, 120VAC
2 each	TS0655C	NC Mercury Float Switch

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 pump. *SmartSwitch*™ components are conveniently packaged in weatherproof enclosures with integrated internal antennas for quick and easy installation.

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