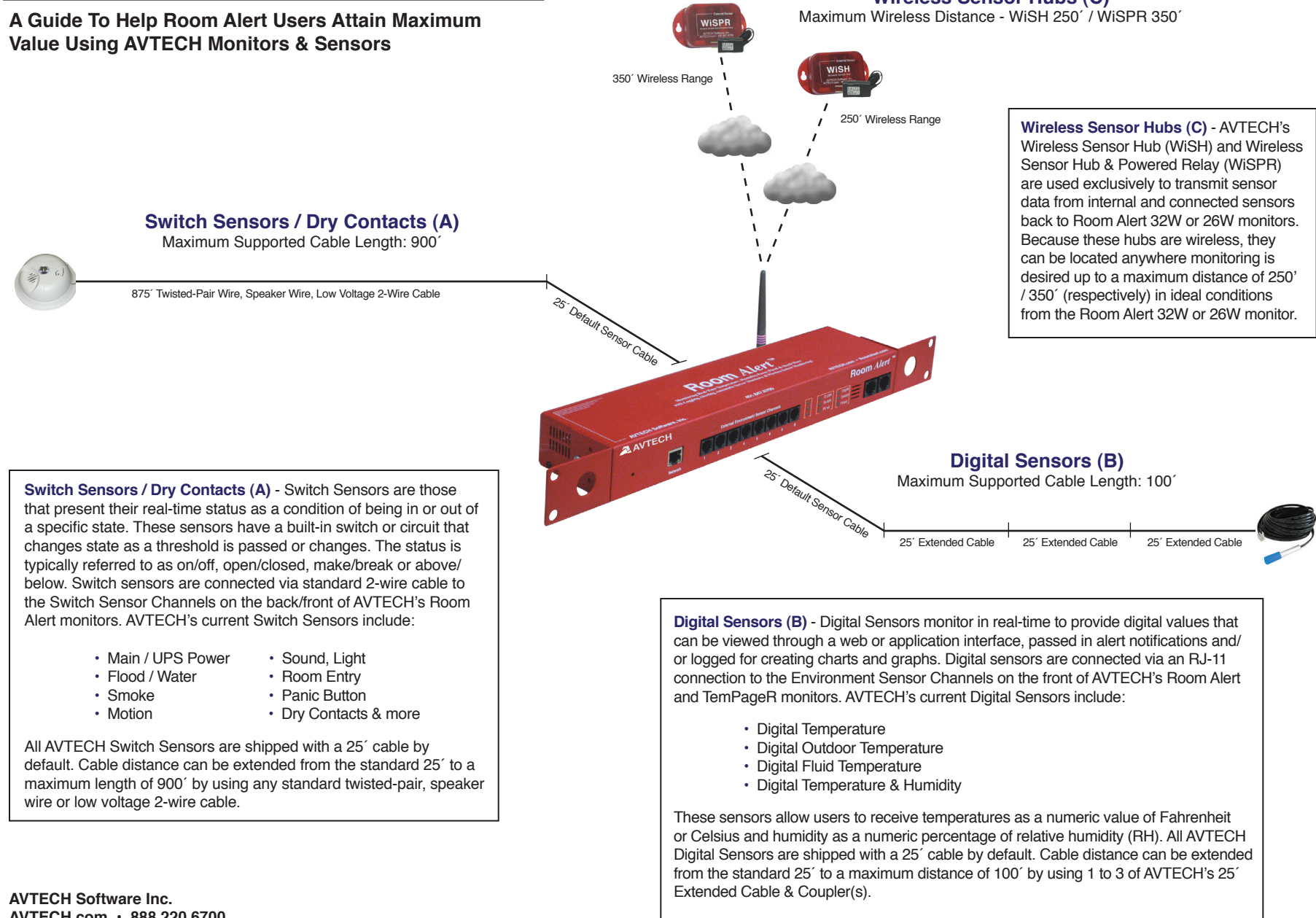


# AVTECH Environment Monitors & Sensors

## Maximum Supported Cable Lengths & Distances

A Guide To Help Room Alert Users Attain Maximum Value Using AVTECH Monitors & Sensors



### Switch Sensors / Dry Contacts (A)

Maximum Supported Cable Length: 900'



875' Twisted-Pair Wire, Speaker Wire, Low Voltage 2-Wire Cable

25' Default Sensor Cable

**Switch Sensors / Dry Contacts (A)** - Switch Sensors are those that present their real-time status as a condition of being in or out of a specific state. These sensors have a built-in switch or circuit that changes state as a threshold is passed or changes. The status is typically referred to as on/off, open/closed, make/break or above/below. Switch sensors are connected via standard 2-wire cable to the Switch Sensor Channels on the back/front of AVTECH's Room Alert monitors. AVTECH's current Switch Sensors include:

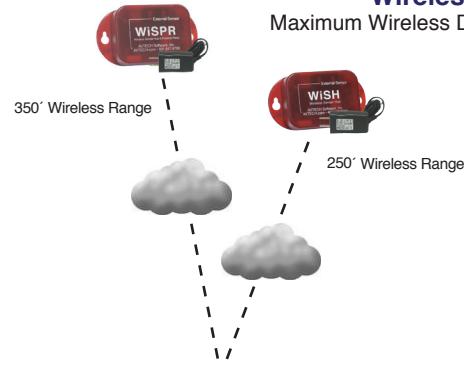
- Main / UPS Power
- Flood / Water
- Smoke
- Motion
- Sound, Light
- Room Entry
- Panic Button
- Dry Contacts & more

All AVTECH Switch Sensors are shipped with a 25' cable by default. Cable distance can be extended from the standard 25' to a maximum length of 900' by using any standard twisted-pair, speaker wire or low voltage 2-wire cable.

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### Wireless Sensor Hubs (C)

Maximum Wireless Distance - WiSH 250' / WiSPR 350'



**Wireless Sensor Hubs (C)** - AVTECH's Wireless Sensor Hub (WiSH) and Wireless Sensor Hub & Powered Relay (WiSPR) are used exclusively to transmit sensor data from internal and connected sensors back to Room Alert 32W or 26W monitors. Because these hubs are wireless, they can be located anywhere monitoring is desired up to a maximum distance of 250' / 350' (respectively) in ideal conditions from the Room Alert 32W or 26W monitor.

### Digital Sensors (B)

Maximum Supported Cable Length: 100'

25' Default Sensor Cable

25' Extended Cable | 25' Extended Cable | 25' Extended Cable



**Digital Sensors (B)** - Digital Sensors monitor in real-time to provide digital values that can be viewed through a web or application interface, passed in alert notifications and/or logged for creating charts and graphs. Digital sensors are connected via an RJ-11 connection to the Environment Sensor Channels on the front of AVTECH's Room Alert and TemPageR monitors. AVTECH's current Digital Sensors include:

- Digital Temperature
- Digital Outdoor Temperature
- Digital Fluid Temperature
- Digital Temperature & Humidity

These sensors allow users to receive temperatures as a numeric value of Fahrenheit or Celsius and humidity as a numeric percentage of relative humidity (RH). All AVTECH Digital Sensors are shipped with a 25' cable by default. Cable distance can be extended from the standard 25' to a maximum distance of 100' by using 1 to 3 of AVTECH's 25' Extended Cable & Coupler(s).