

<b>440-1300-084</b>		Sht. 1 of 1	APP'D BY <i>DMS</i>
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**Customer Bid Specification for  
Two Wire RF-Admittance Point Level Control  
AMETEK Drexelbrook ThePoint™**

The point level switch shall consist of the following:

**Electronics**

The electronics shall be a radio frequency admittance type, with circuitry designed to ignore errors caused by coating "build-up" on the sensing element, ambient temperature fluctuations, or changes in conductivity and/or dielectric.

The point level switch shall not require calibration. The electronics shall be microprocessor controlled, and the software must be capable of assigning a trip point that does not require manual calibration or setpoint adjustments.

The electronic unit shall be suitable for mounting integrally to the sensing element or up to 75 feet from the sensing element.

The ambient temperature limits of the electronics shall be -40°C to 70°C.

The output shall be 8mA – 16mA field selectable for normal or alarm. The electronics shall be furnished fail-safe and be field selectable for low or high level. The enclosure shall be of rugged design. The electronic unit shall have 100Amp static protection built in.

Operating response time shall be less than 1 second. The electronics shall be furnished with a time delay adjustment with up to 60 seconds response time. The time delay shall be field selectable for forward or reverse action to provide a delay into alarm, or on recovery form an alarm condition.

The electronics shall be powered by the loop with a supply voltage of 13 to 30 VDC.

**Sensing Element**

The sensing element shall be of a rigid or flexible design and shall be rugged and suitable for the temperature and pressure required by the application. If required, the sensing element shall be abrasion resistant and/or shall be made of a material that resists chemical attack. The sensing element shall be a three-terminal type, and shall contain no active electronics. The sensing element, when remotely mounted, shall be furnished with a conduit that meets NEMA 1-5 and 12 area classifications.

**Interconnecting Cable**

The coaxial interconnecting cable shall be a three-conductor, driven-shield type, up to 75 feet long, and shall be used to connect the sensing element to the electronic unit.

The point level control switch shall be the AMETEK Drexelbrook ThePoint™ Series (PNT0-XXXX-XXXX).