

1. GENERAL

1.1 References - General

- .1 Refer To Section 17010.

2. PRODUCTS

2.1 Signal Conditioning Modules

- .1 Where required, provide signal conditioning modules which comply with the following requirements, unless otherwise specified:
 - .1 Analog signal inputs: 4-20 mA DC into 500 ohms
 - .2 Analog signal outputs: 4-20 mA DC into 500 ohms
 - .3 Discrete output contacts: SPDT rated 5A
 - .4 Arrange electronic trips so that output contact opens in case of loss of signal or loss of power supply.
 - .5 Modules to be rated for continuous operation in an ambient temperature of 0 to 80 degrees C. Ambient temperature effect not to exceed plus or minus 0.01 percent per degree C within that range.
 - .6 Span and zero adjustments to be made by front accessible multi-turn potentiometers or keypad.
 - .7 Provide electronic trip modules with LED indicators for relay status.
 - .8 Modules to withstand 30 volts per meter radio frequency radiation between 200 and 500 MHz with not more than 0.25 percent calibration effect. Provide modules with traps on the terminals to shunt conducted radio frequency interference to ground.
 - .9 Galvanically isolate signal and power supply terminals from the case.
- .2 All modules specified in this section to be the product of a single manufacturer.

2.3 Current to Pneumatic (I/P) Converters

- .1 not used.

3. EXECUTION

3.1 References - General

- .1 Refer To Section 17010, Part 3.

END OF SECTION