FEATURES

- ✓ 2 or 3 wire 4-20mA connection
- ✓ Panel controlled status LED (bi-colour)
- ✓ Analog communications
- ✓ Rotary address switches
- ✓ Low standby current
- ✓ Mounts in standard 4'' junction box (SMB-500)
- ✓ FlashScan® operation

PRODUCT DESCRIPTION

The SSF-FMM-4-20 Analog Input Module allows the AFP-3030 fire alarm control panel (FACP) to monitor industry-standard, linear-scale, 4-20mA protocol sensors.

The module converts the sensor output to communication protocol that can be interpreted by the FACP for monitoring and display. There are numerous sensors available that communicate using a 4-20 mA output, including gas sensors, temperature sensors, flame detectors and air speed sensors.

The SSF-FMM-4-20 Module includes numerous safeguards and protective features to ensure trouble-free operation. The external power supply is isolated from the communication line. In addition, a 500mA current limiter and a cutoff circuit protect the module's electrical supply from short circuits. In the event of a short, the output voltage will cycle within safe limits until the short is removed. The output signal is sampled and filtered for transients and noise prior to passing the signal along to the FACP. If the current running through the sensing circuitry exceeds 25mA, the output voltage will shut down and the short protection process will begin.

The module accepts both 3-wire (device sink) and 2-wire configurations. The AFP-3030 panel supports up to five programmable thresholds for each SSF-FMM420.
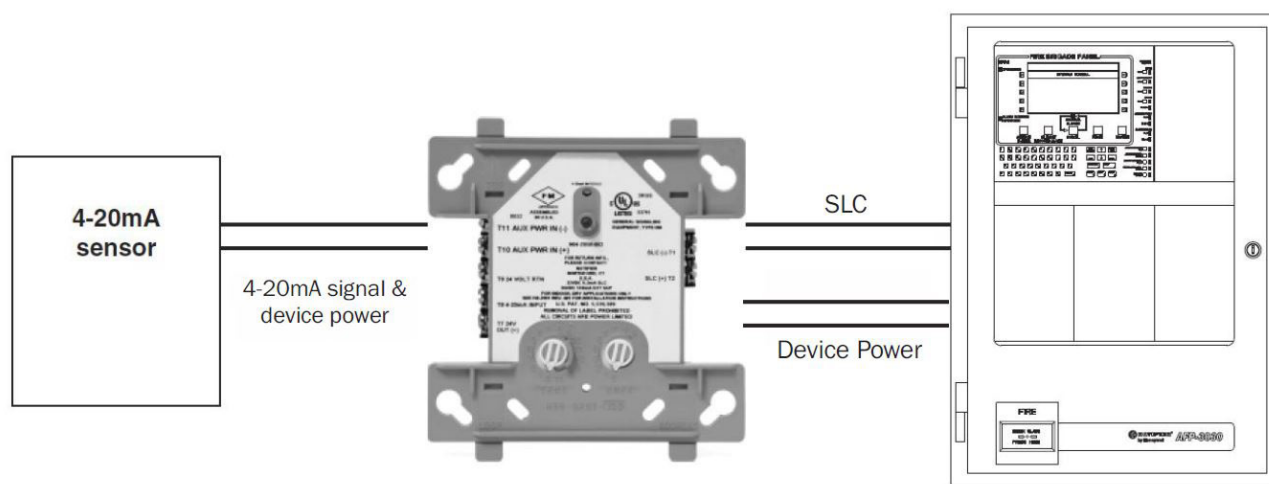
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TECHNICAL SPECIFICATIONS

Temperature Range	10ºC to 60ºC
Relative Humidity	10% to 93% non-condensing
Shipping Weight	156g
Dimensions	10.86cm W x 11.87cm H x 3.56cm D
Operating Voltage	15 to 32Vdc
Standby Current	700µA max. @ 24Vdc (One communication every 5 sec. with LED enabled)
LED Current	6mA (with LED latched on)
External Supply Power	12Vdc to 28 Vdc
External Supply Current	10 mA @ 24Vdc (nominal – module only. Does not include sensor current). 500mA limited.

ORDERING INFORMATION

SSF-FMM-4-20	Analog input module
SMB-500	Optional surface mount box

Forming the interface between 4-20mA sensor and AFP-3030