



SPECIFICATIONS: MODEL 3903

1. ELECTRICAL

SWITCH: Single pole, normally open (SPNO)  
Floating contacts  
CONNECTION: .25" (6.4 mm) quick connect, male

15 AMPS @ 6 V.D.C.  
8 AMPS @ 12 V.D.C.  
4 AMPS @ 24 V.D.C.  
1 AMP @ 120 V.A.C. (INDUCTIVE)  
72 VA PILOT DUTY @ 24 V.A.C. (INDUCTIVE)  
120 VA PILOT DUTY @ 120 V.A.C. (INDUCTIVE)  
240 VA PILOT DUTY @ 240 V.A.C. (INDUCTIVE)

Suitable for use with millivolt gas valve systems.

2. MECHANICAL

SETPOINT: adjustable  
RANGE: 1 to 5 PSIG (6.9 to 34 KPa) on pressure rise or fall  
OPERATING PRESSURE: maximum of 50 PSIG (345 KPa)  
TEMPERATURE: ambient temperature of 32°F to 190°F (0°C to 88°C)  
PRESSURE MEDIA: Air or fluids compatible with PBT (Polybutylene Terephthalate) and EPDM.  
PRESSURE CONNECTION: 1/8" male NPT, Integral plastic fitting/mounting pan.

3. MOUNTING

SEALING: 1/8" NPT fitting is designed to seal without the use of thread sealants. However, it is recommended to use standard sealants to insure a leak-free joint. Teflon tape, pipe dope, and RTV silicone rubber sealants are all compatible with the plastic resin used to mold the pan/fitting.

TIGHTENING: Thread the switch into the heater plate, pipe coupling, etc. until finger-tight (snug). Tighten the switch three (3) turns past finger-tight, which will provide approximately 10 to 14 in-lbs. tightening torque. Up to one (1) additional turn is acceptable for proper terminal positioning.

CAUTION: HAND TIGHTEN ONLY. Do not use wrenches, adjustable pliers, etc. Tool assisted tightening may damage the tapered pipe threads and will void warranty.