

# Multi-Point Process Switch



## 5880-1 SERIES

- Used to control continuous process operations, provide Fail-safe limiting or alarm functions
- 4 Adjustable set points
- Controls simple process functions
- Independent SPDT (Form C) relays
- For process transmitters with 4 mA to 20 mA output

### APPLICATIONS

- Can monitor process variables within any industrial control environment
- In a level application, the switch can be used to actuate pumps, outlet valves or even to initiate CIP cycles.

### SPECIFICATIONS

<b>Power requirements</b>	Nominal 115 Vac./60 Hz. (unregulated) 3.45 Watt/0.03 Amp – fused @ 0.1 Amp
<b>Temperature range (Environmental)</b>	32° F to 158° F/0° C to 70° C – operating (-40° F to 158° F/-40° C to 70° C – storage)
<b>Input</b>	DC current: 4 mA to 20 mA
<b>Current limiting (overload)</b>	70 mAdc maximum; automatic trip/reset using PTC resistor (positive temperature coefficient) circuit
<b>Input Impedance</b>	132 Ohm resistance (3 Vdc drop @ 20 mA)
<b>Set points</b>	(4) four independent user set-points; continuously adjustable over full input range. Front panel LED status indicator gives visual confirmation when set-point value has been exceeded.
<b>Sensitivity (adjustment)</b>	Set-points can be adjusted to better than 0.05% FS/0.008 mA
<b>Repeatability</b>	Set-point settings are repeatable to better than 0.05% (long-term repeatability: better than 0.1% FS)
<b>Deadband</b>	Single deadband potentiometer controls all four set-point settings. Deadband adjustable from 1.0%-12.5% FS. (Factory preset to 1% FS.)
<b>Output</b>	(4) independent SPDT (form-C) relays; maximum 3.0 Amp @ 115 Vac. or 24 Vdc (resistive). Rated for 100,000 cycles/life at rated load.
<b>Weight</b>	22 oz./624 g

## ORDERING INFORMATION

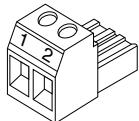
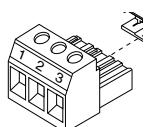
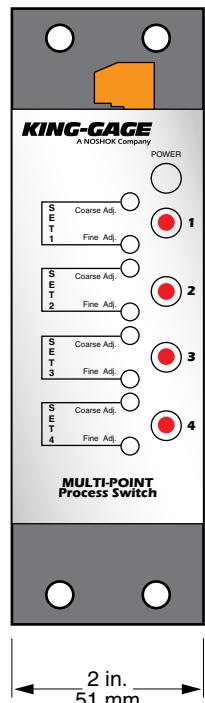
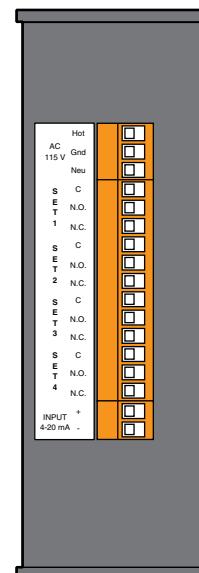
SERIES 5880-1 Multi-Point Process Switch

NOTE: Process switch is compatible with any 4 mA to 20 mA output device such as the Electronic Sensor or D/P Transmitter. Requires 115 Vac.

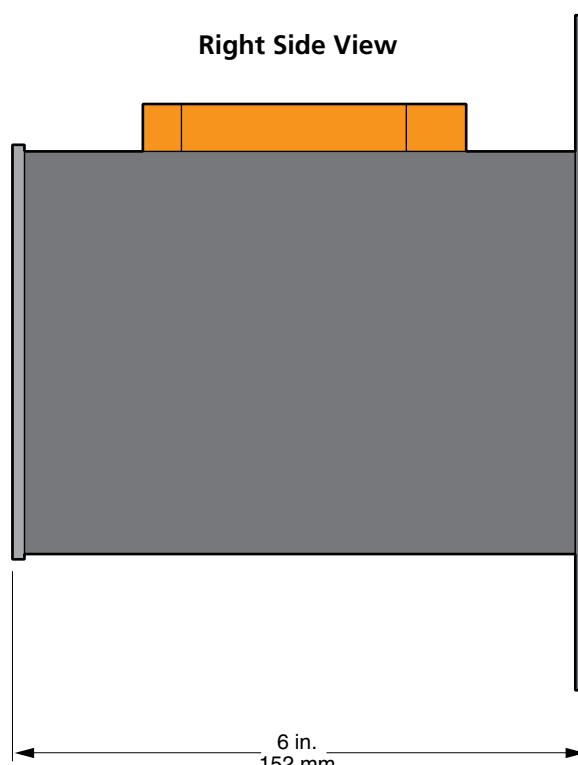
## Front View

## Top View

## Replacement Fuses/Terminal Connectors

7469-21-0 500 mA 250V fast acting (AGC) fuse,  
0.25 x 1.25 in., replacement 5-pack5858-2 2-terminal socket connector  
5858-3 3-terminal socket connector  
5858-12 12-terminal socket connector2-Terminal Connector  
(Signal)3-Terminal Connector  
(AC Power)7-1/8 in.  
181 mm2 in.  
51 mm

## Right Side View

6 in.  
152 mm