

Pressure Supervisory Switches

These switches are operated by supervised fluid pressure applied to a built-in bellows, diaphragm or Bourdon tube which is mechanically linked to the switch member. The normal arrangement provides for the switch contacts to open automatically if the supervised pressure is reduced to a potentially unsafe point. Other equipment then acts to shut down the combustion process, as applicable. For alarm or other purposes, the switch action may be the reverse.

Switches having a means of adjusting the operating pressure range require cover removal to accomplish adjustment.

When ordering, specify type, model, maximum operating pressure, temperature, fluid handled, electrical characteristics and operating pressure desired.

Pressure Supervisory Switches for Fuel Gas and Ventilating or Combustion Air

These switches may also be used as airflow interlocking switches and are recommended for safety cock applications.

Models J400, J402, J403, H400, H402, H403

Model Types a40bc-d-e-f-g-h-i Series Supervisory Switches.

a = Type J (adjustment with no reference dial) or H (adjustment with reference dial).

b = Number of switches 0, 2 or 3 (designating 1, 2, or 3 switches).

c = Type of applied pressure: Blank = standard or K = differential.

d = Customer Specification number (optional).

e = Pressure ranges (when c = Blank) 126-164, S126B-S164B, 270, 274, 358-376, 440-443, 448-454, 520-525, 530-535, 550-555, 570-572, 610-514.

e = Pressure range (when c = K) 147, 157, S147B, S157B, 455-457, 540-547 or 559.

f = Switch options 0140, 0500, 1010, 1070, 1085, 1180, 1190, 1195, 1501, 1502, 1503, 1504, 1506, 1507, 1519, 1520, 1530, 1532, 1535, 1537, 1539, 2000, 2002, 2008, 2037, 2200 or 3000.

g = M options: any option identified by an M plus a 3 digit number, do not change the performance characteristic or electrical rating properties of the device under examination. These options include item such as, foreign approvals, stainless steel tags, paper tags, pilot light, viton o'ring, conduit connectors, pressure indicators, immersion stems, terminal block, metric thread options, other thread options, external ground screw option switch setpoint adjustments, and range indication.

h = Pressure connection material options XC001-XC007.

i = Flange option F100, F101, F108, F109, F116, F117, F124, F125, F132, F133, F140, F141, F148, F149, F156, F157, F164, F165, F172, F173, F180, F181, F188, F189.

Note: That a Customer Specification Number is any five to eight character/digit alphanumeric code indicating pressure or temperature range and other options identifying an associated customer drawing specifying all option codes d, e, f, g, h, i.

Company Name:	United Electric Controls Co
Company Address:	180 Dexter Ave, Watertown, Massachusetts 02172, USA
Company Website:	http://www.ueonline.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved

Airflow Interlocking Switches for Ventilating or Combustion Air

An airflow interlocking switch is either positive or negative pressure operated and is intended to be used to shut down automatically a combustion process in the event of air supply failure. It may also be used for alarm purposes. The pressure switches shown under PRESSURE SUPERVISORY SWITCHES for Fuel Gas & Ventilating or Combustion Air are also suitable for airflow interlocking switch service. However, airflow switches are not recommended as fuel gas supervisory switches.

Model Types a40b

Model Types a40b-cd-e-f-g-h-i-jk-lm Airflow Interlocking and Temperature Supervisory Switches

a = Type C, F (adjustment with no reference dial) or B, E (adjustment with reference dial).

b = Number of switches 0, 2 or 3 (0 designation indicates 1 switch).

c = Customer Specification number 1 (optional).

d = Temperature ranges 120, 121, 1BS, 2BS, 2BSA, 2BSB, 3BS, 4BS, 5BS, 6BS, 7BS, 8BS, 1BC, 2BC, 2BCA, 2BCB, 3BC, 4BC, 5BC, 6BC, 7BC, 8BC.

e = Switch options 0140, 0500, 1010, 1070, 1085, 1180, 1190, 1195, 1501, 1502, 1503, 1504, 1506, 1507, 1519, 1520, 1530, 1532, 1535, 1537, 1539, 2000, 2002, 2008, 2037, 2200 or 3000.

f = M options: any option identified by an M plus a 3 digit number, do not change the performance characteristic or electrical rating properties of the device under examination. These options include item such as, foreign approvals, stainless steel tags, paper tags, pilot light, viton o'ring, conduit connectors, pressure indicators, immersion stems, terminal block, metric thread options, other thread options, external ground screw option switch setpoint adjustments, and range indication.

g = Immersion stem options 1270-1275, W000, W097-W099, W346-W351.

h = Separable well options W075-W193.

i = Union connector options W027-W051.

Optional capillary length and capillary protection options.

j = Any one, two or three digit number indicating capillary length.

k = One or two letter designation indication capillary material:

MC or C = Copper

MS or S = Stainless Steel

l = Any one, two or three digit number indicating capillary protection length.

m = One, two or three letter designation indication capillary protective material:

MC/ C = Copper

MS/S = Stainless Steel

MT/T = Teflon

TB = Teflon over Bulb only

MTC/TC = Teflon over capillary only

Note: That a Customer Specification Number is any five to eight character/digit alphanumeric code indicating pressure or temperature range and other options identifying an associated customer drawing specifying all option codes j, k, l or m.

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