

# North American Compact Pressure Switches Specifications

Sheet 8757-4

These pressure switches are compact, easy to use, and offer a variety of setpoints and reset options. The state of the switch is indicated via an orange indicator light. Setpoint reading and adjustment are co-located on an easy to read dial. No vent is required with these switches since they include a restricting orifice that limits the leakage in the event of a diaphragm rupture. The restricting orifice also dampens the response to small pressure spikes, which prevents nuisance switch tripping. The switches can be mounted in any orientation (vertical mounting orientation is standard). When used with combustible gases installation of a conduit plug must be used (see NFPA 86 2011 4.1.3.2).



**NOTE:** Do not use with 1595 Double Shutoff Valves or 1597 Fuel Trains. See Sheet 1597-4.



**CAUTION:** Depending on the severity of some mechanical vibration, which may cause the pressure switch to break and remake momentarily, these switches may not be good for those types of applications.

Product designation	Reset connection	Operating pressure range	Differential pressure (deadband)	Switch action
8757-GAO-A4/4/2	automatic	0.16" to 1.20"w.c.	0.12"w.c.	high/low limit, NC breaks on rise
8757-GAO-A4/4/3	automatic	0.40" to 4.0"w.c.	0.20"w.c.	
8757-GAO-A4/4/5	automatic	2.0" to 20.0"w.c.	0.40"w.c.	
8757-GAO-A4/4/6	automatic	12.0" to 60.0"w.c.	1.2"w.c.	
8757-GAO-A4/4/8	automatic	40.0" to 200.0"w.c.	4.0"w.c.	
8757-GMH-A4/4/4	manual	1" to 20"w.c.	0.40"w.c.	high limit, NC breaks on rise
8757-GMH-A4/4/6	manual	12" to 60"w.c.	1.20"w.c.	
8757-GMH-A4/4/8	manual	40" to 200"w.c.	4.0"w.c.	
8757-GML-A4/4/4	manual	1" to 20"w.c.	0.40"w.c.	low limit, NO breaks on fall
8757-GML-A4/4/6	manual	12" to 60"w.c.	1.20"w.c.	
8757-GML-A4/4/8	manual	40" to 200"w.c.	4.0"w.c.	

## SPECIFICATIONS

**Gases:**

Natural Gas, Propane, Non-Corrosive Gases

**Environment:**

Temperature: -40 to 140°F  
 Maximum Pressure: 7 psi (Models A4/4/2,3,4,5,6)  
 14 psi (Models A4/4/8)

**Electrical:**

Contacts: SPDT  
 Enclosure: NEMA 4  
 Amp Rating (resistive): 10 for 120 V ac  
 5 for 240 V ac

**Connections:**

Process: 1/4" NPT  
 Electrical: 1/2" Conduit  
 Test Port: Integrated Nipple

**Physical Data:**

Footprint: 2<sup>13</sup>/<sub>16</sub>" × 2<sup>13</sup>/<sub>16</sub>" × 2<sup>1</sup>/<sub>4</sub>"  
 Weight: 0.25 lb

**Approvals:**

UL353, FM, CSA