

# MINIATURE FIXED SETPOINT IP67 INTEGRAL PRESSURE SWITCH



Equipped with a 2- or 3-pin Deutsch connector and compliant with IP67 standards, the **Model 785** is a miniature diaphragm-operated pressure switch for applications requiring high sensitivity and low pressure. This unique model thrives in tough environments containing oil, fuel, water, dust, shock and vibration. Please consult factory for custom configurations.

## FEATURES

- Fixed pressure
- Diaphragm
- IP67 compliant
- Integral pressure port snubbing
- NEMA Type 4 rating

## APPLICATIONS

- Off Road Equipment
- Industrial OEM Equipment
- Train Braking Systems
- Packaging Equipment
- Compactors
- Compressors
- Fuel Systems
- Pneumatic Systems

## STANDARD SPECIFICATIONS

Pressure Connection	Electrical	Electrical Connection	Seal Materials	Materials	Temperature Range	Shipping Weight
1/4"-18 NPT	Snap-action Electrical Switch listed by UL and CSA	Single Pole Single Throw (SPST)	Fluorosilicone	Hydraulic Module Housing 303 Stainless Steel	-40°F to +250°F	Approximately 3 oz.
1/8"-27 NPT	At 28 VDC: 7 Amps Resistive; 4 Amps Inductive; 2 1/2 Amps Lamp				-40°C to +120°C	
9/16"-18 UNJF-3A	Gold Contact Switches available for dry circuit applications	Single Pole Double Throw (SPDT)	Contact Factory	Electric Module Housing Polyphenylene Sulfide (PPS)	(Temperature Range Change with Diaphragm Material Selection)	
Options Available						

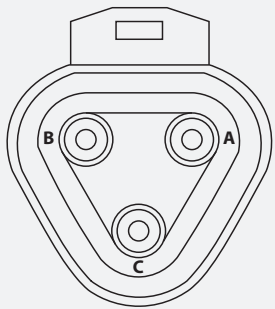
## OPERATING PRESSURE DATA

Series	Range Indicator	Pressure Range	Tolerance on Set Pressure*	Dead Band*	Max System Pressure	Proof Pressure
785	3	7 - 160	Consult Factory	2 / 8	500	1000

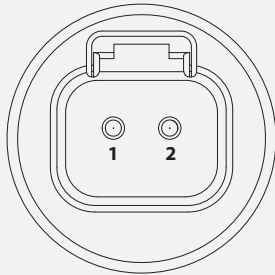
\*Interpolate for intermediate pressures \*Pressure in PSIG



## WIRING CONFIGURATION GUIDE



3-PIN						
	#	A	B	C	#	
200 PSI AND ABOVE	01	NC	G	NO	07	BELOW 200 PSI
	02	NO	NC	G	08	
	03	G	NO	NC	09	
	04	NC	NO	G	10	
	05	G	NC	NO	11	
	06	NO	G	NC	12	



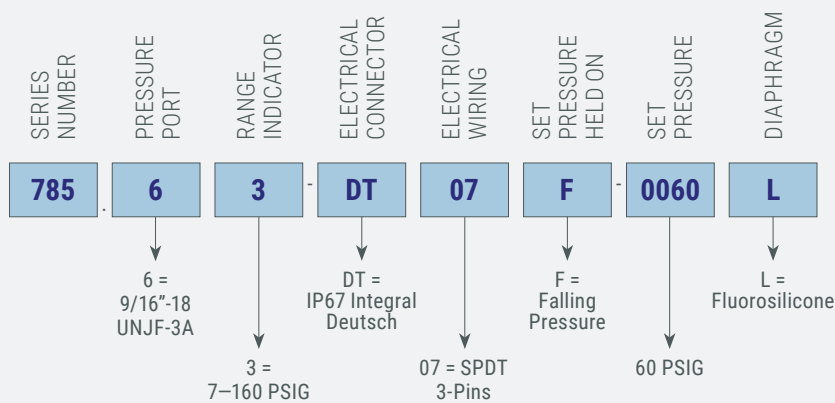
2-PIN				
	#	1	2	#
200 PSI AND ABOVE	21	G	NC	23
	22	NO	G	24
	37	G	NO	39
	38	NC	G	40

**NO** - Normally Open    **NC** - Normally Closed  
**G** - Ground (Common)

## ENVELOPE DIMENSIONS



## ORDERING PROCEDURE



\*Insert available option number or letter as required

Example: 785-63-DT07F-0060L

## ORDERING SEQUENCE

### SERIES

- 785 - Set pressures between 7-160 PSIG
- See Operating Pressure Data table

### PRESSURE CONNECTION

- 6 - 9/16"-18 UNJF-3A (MS33656-E6)
- 2 - 1/4"-18 NPT (Male)
- Consult factory for metric and additional configurations

### PRESSURE RANGE NUMBER

- See Operating Pressure Data table

### TYPE

- DT - IP67 Integral Deutsch

### ELECTRICAL WIRING

- See Wiring Configuration Guide

### SET PRESSURE TO BE HELD ON

- R - Rising Pressure
- F - Falling Pressure

### SET PRESSURE

- Specify factory set pressure in 4-place PSIG (Example: 0060 for 60 PSIG)

### DIAPHRAGM

- L - Fluorosilicone
- Consult factory for other available materials

### SPECIAL ITEMS

- Pressure connection
- Diaphragm materials
- Gold electrical contacts for low current applications
- Consult rep or factory for special items and configurations