

# 1" DIGITAL PRESSURE SWITCH

## DPG3100T

**Pressure Range: Vacuum -1 BAR TO 250 BAR**

**1" Cube Meter for Limited Space**

**Zero Reset**

**LCD Digital Display, Temperature Indicator Available**

The New-Flow DPG3100T Digital Pressure Switch has two fully-programmable digital outputs available in NPN configurations. When the digital output changes state, the display can be programmed to change to Seven Colors available, and the feature is useful for "at a glance" visual verification. The DPG3100T can be programmed to Hysteresis Setting or Window Setting available.

### Technical Data

**Application:** For Non-Corrosive Air and Fluid / Gas application

**Mounting Type:** Mounting Brackets or Panel Mounting available

**Socket Material:** SS304L

**Accuracy:**  $\pm 1\%$  of F.S.

**LCD Display:** (V.A.: 20.0 x 9.6mm) with 7 kinds of colors back-lighted programmable

**Resolution:** 1/3000 (max.)

**Multi Pressure Units:** psi, bar, kg/cm<sup>2</sup>, Kpa, Mpa, inHg, cmHg, Atm

**Pressure Range:** Vacuum -1 bar to 250 bar

**Supreme Working Pressure:** Up to 250 bar

**Temperature Compensated:** 0~50°C

**Analog Output:** Current Output 4~20mA

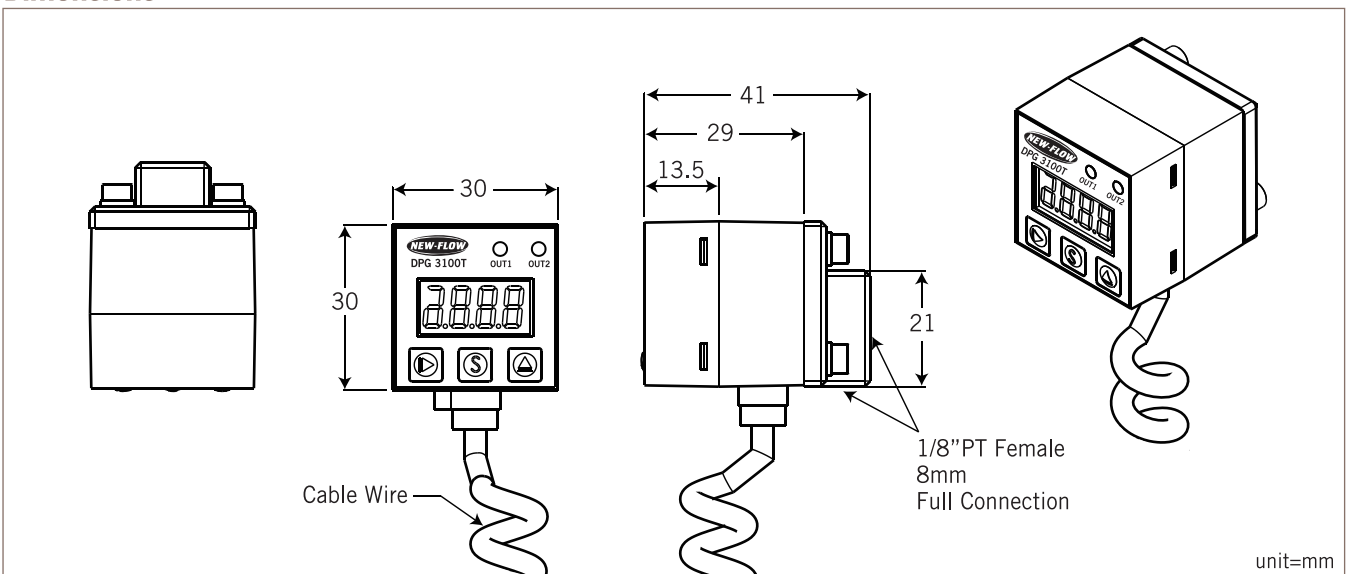
**Digital Output:** NPN

**Power Supply:** 12 VDC

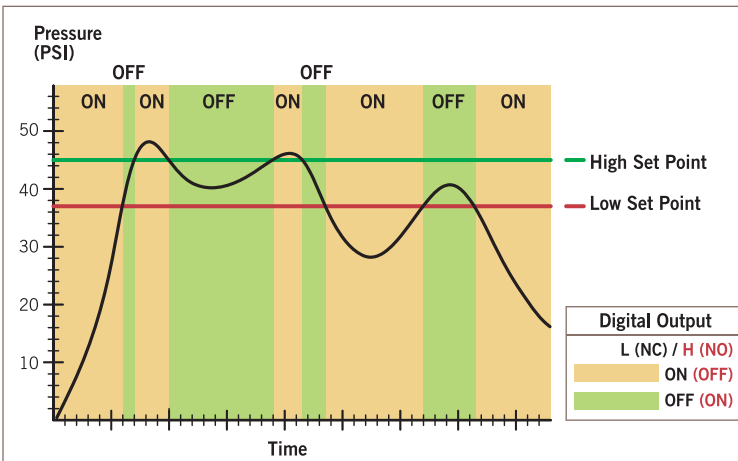
**Weight:** approx. 0.15kg



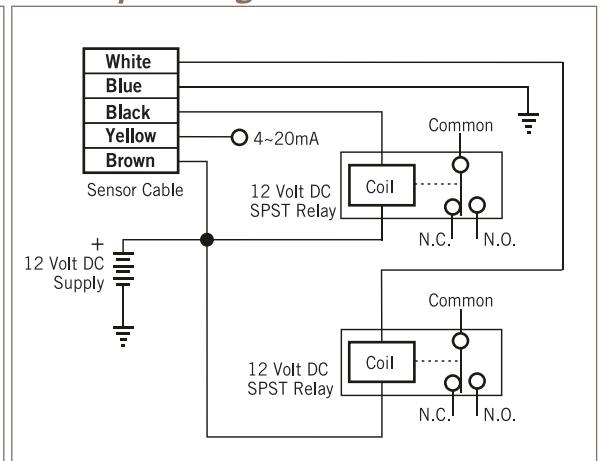
### Dimensions



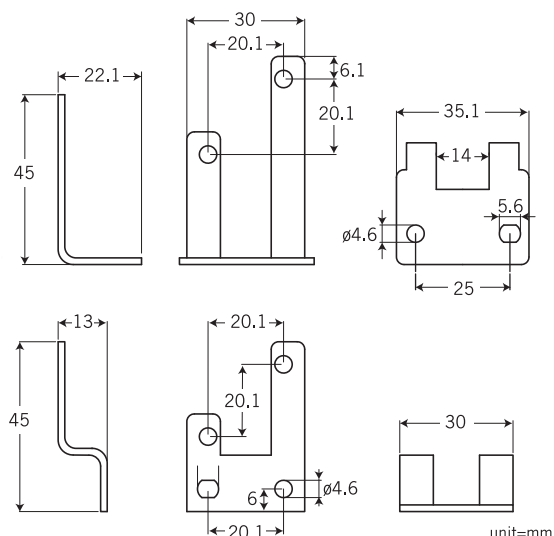
### Pressure Curve



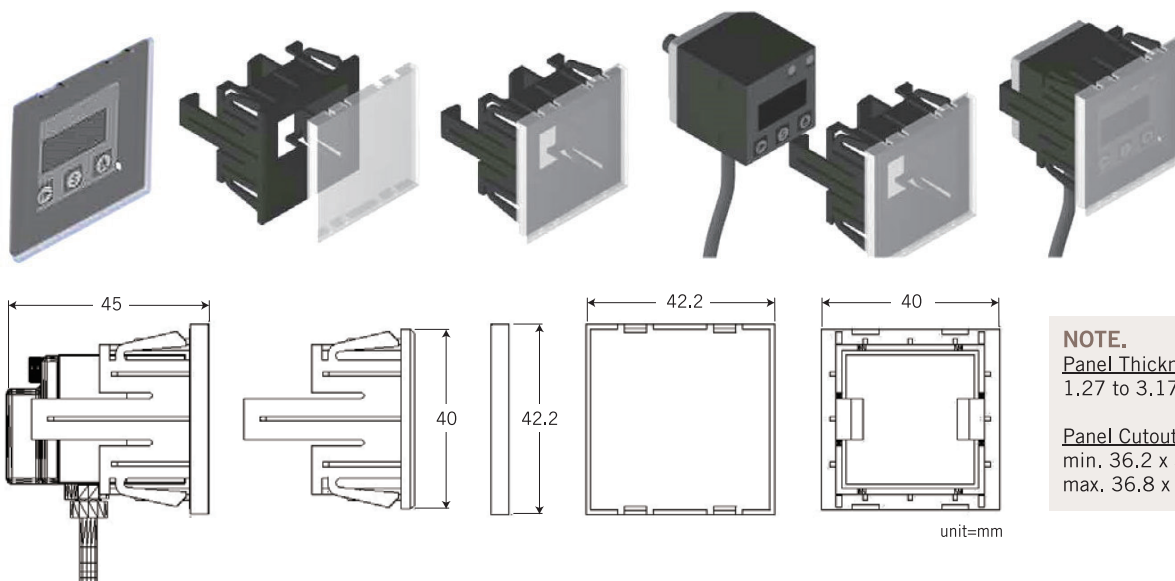
### NPN Output Wiring



**(A) Mounting Brackets:**



An alternative to mounting the sensor with the brackets is to use the panel mount option, included with the sensor. The panel mount assembly accepts a wide range for the panel cutout due to spring loaded clips molded into the housing.



**NOTE.**  
Panel Thickness Range  
1.27 to 3.175mm

**Panel Cutout Dimensions**  
min. 36.2 x 36.2 mm  
max. 36.8 x 36.8mm

DPG3100T	Code	Pressure Range				
	1	-1~1 Bar (4~20mA)	2	0~10 Bar	3	0~35 Bar
	4	0~100 Bar	5	0~250 Bar		
	Code	Connection Port				
	R	1/8"PT female, standard			S	Customized
	Code	Analog Output				
	A	4~20mA				
		Code	Output Mode			
		N	NPN			
DPG3100T					Complete Ordering Code	