

# SCHMIDT Technology Supplied High Pressure Switch

## Set-up Procedure

### Pressure Switch Settings

Mode	Meaning	Proper Setting
SP 1	Switch On Point Signal sent to PC50	PSI Valve Force / *Hydraulic Area = PSI This will get it in the ball park. Will need to tweak from there.
rP 1	Switch Off Point	Won't exceed SP1. Signal stays on until it drops to this value.
dS 1	Delay of Switch On Point	0
dr 1	Delay of Switch Off Point	0
OU 1	Switch Function of Output Hno=Hysteresis / N.O. Hnc=Hysteresis / N.C.	Hno Switch Normally Open. When SP1 reached, switch closes & sends signal
dAP	Rise Time Damping (in milliseconds)	Use Smallest Value. Senses SP1 for this amount of time before signal sent

### \*Hydraulic Area:

Nr 61:	.761"
Nr 62:	1.58"
Nr 65	3.043"

Nr 64:	5.33"
Nr 74:	5.33"
Nr 76:	9.74"

### Wiring Codes

PC50	Valve	Pressure Switch	Proximity Switch NPN
Main Valve +	Red Din Point 1		
Main Valve -	Black Din Point 3		
BDC Switch (source input)			Black
0V		Blue Ground	Blue
24 V		Brown Power	Brown
UDC Switch (sink input)		Black Output 1	

### PressControl 50 Integration and Setup

**Wiring:** - Refer to the PressControl 50 Manual, Section 5, Fig. 5.2, PC-50 with stroke completion switch. Note: The white wire from the pressure switch is an output #2 wire and is not used with the PC-50 control. It is an output 2

**Programming and Setup:** - Refer to the PressControl 50 Manual, Section 2.4, Pg. 7.

PC-50 Timer needs to be set to 655.31 in order to receive signal from Pressure Switch