

## 1. Description

Signal devices are used to report and control the position of valves which are operated by pneumatic actuators. Depending on their design the signal boxes type PPF2V3... / PPF3V3... are equipped with one or two (standard) proximity switches. With the enclosed mounting parts the boxes can be easily and quickly mounted on actuators or valves.

## 2. Assembling

 <b>CAUTION</b>	<b>Risk of injury</b>  The electric components inside the box carry dangerous voltage. Moreover there is a risk of bruise by some rotating parts.  → Do not open the housing while operating!
---	---



1. Bring the actuator to a completely "Open" or "Close" position.  
 *Closed: Valve is closed, Channel position is abreast the actuators longitudinal axis.  
Open: Valve is open, Channel position towards actuator axis.*
2. Equate the modules axis with the actuator.
3. Attach the box with bracket on the actuator or valve and fix it.
4. Adapt the control unit by leading the system cable through the cable gland and wiring the single conductors with the terminal block.  
 *Please note the wiring diagramm in the technical data sheet.  
The wiring diagramm can also be found in the box.*

## 3. Adjusting switch-points

Ex factory the modules are adjusted in the following way:

Switch-point close: Position Valve/Actuator at 0° to 3°  
Switch-point open: Position Valve/Actuator at 87° to 90°  
(Switch-points of other switches optionally)

If readjustment should be necessary proceed as following:

1. Remove the housing cover.
2. Untighten the socket head screw M6 of the switch-cam-tower.  
Turn the lower switch-cam until the aglet in the cam damps the sensors. Where applicable the sensor-LED lights up.
3. Proceed in the same way with the upper switch-points.
4. Refasten housing cover.

## 4. Maintenance

Long time outdoor usage can cause gaskets to become brittle after some time. Safe operation can only be guaranteed with leak-proof boxes.

-  *Seals should be exchanged immediately if they are damaged, or at least after five years.*  
Seals and other parts can be ordered at all times.

Erstellt am: 15.03.2010	Erstellt durch: SH	Geändert am:	Geändert durch:
<b>ROTECH Antriebselemente GmbH</b>		Tel.: +49(0) 7243-5931-0	<a href="http://www.rotech.de">http://www.rotech.de</a>
		Fax: +49(0) 7243-5931-31	E-Mail: <a href="mailto:info@rotech.de">info@rotech.de</a>