

The zero point adjustment function forcibly sets the pressure value to "Zero" when the pressure port is opened to atmospheric pressure. When the zero adjustment is applied, analog output [Voltage or Current] is changed by this function.(Press 🗵 + 🙈 keys over 1 sec. in RUN mode.)

O High Peak / Low Peak Hold Function
 O High Peak / Low Peak Hold Function
 This function is to diagnosis malfunction of the system caused by parasitic pressure or to check through memorizing the max/min. pressure occurred from the system.

Error

Error display	Description	Countermeasures		
Err I	When external pressure is input while adjusting zero point.	Try again after removing external pressure.		
Err2	When overload is applied on control output	Remove overload.		
Errð	When setting condition is not met in Auto sensitivity setting mode.	Check setting conditions and set proper settin values.		
LLLL	When applied pressure exceeds Low-limit of display pressure range.			
нннн	When applied pressure exceeds High-limit of display pressure range.	Apply pressure within display pressure range.		
-HH-		Set the corrected actting value within acttin		
-LL- -HL-	Auto shift correction error.	pressure range.		
**The above specifications are subject to change without notice.				

Installation

1.Pressure port is divided as basic and option specification. Therefore, be sure that to use commercially available one touch fitting. (Standard: R(PT)1/8", Option: NPT1/8", 7/16" - 20 UNF) Please connect it by using spanner(17mm) at the metal part in order not to overload on the body when connecting one touch

fitting. 3.Two different fixing brackets are provided for PSAN model. 3.1wo different fixing brackets are provided for FSAN model. Select proper one with considering your application environments. 4.At first, please unscrew hexagon wrench bolt and assemble the bracket on this unit by fixing hexagon the wrenchbolt. In this case, ightening torque of hexagon wrench should be max. 30kgfcm. It may cause mechanical problems.



X1: PSAN-L → Displayed only when d→i n is set to 5HFŁ. Auto shift reference pressure can be set within display error range.(Low, Range ≤ 5H i n ≤ High, Range) - Low, Range = Mindisplay pressure - Min, preset setting value + High_Range = Max.display pressure - Max. preset setting value + High_Range = Max.display pressure - Max. preset setting value + Kiph Range = Max.display pressure - Max. preset setting value + Kiph Range = Max.display pressure - Max. preset setting value + Kiph Range = Max.display pressure - Max. preset setting value + Kiph Range = Max.display pressure - Max. preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Max.display pressure - Max.preset setting value + Kiph Range = Mindisplay pressure - Max.preset setting value + Kiph Range = Mindisplay pressure - Max.preset setting value + Kiph Range = Max.preset =

- 6. When r
- moving this unit from warm place to cold place, please remove the humidity on the Writel inverse to use it.
 Do not press the setting button with sharp or pointed object.
 Do not appy a tensile strength in excess of 30N to the cables or connector.
 When using mmH₂O unit, please multiply display value by 100.

- 10.Installation environment

 ① It shall be used indoor.
 ② Altitude Max. 2,000m

 - ④ Installation Category I ③ Pollution Degree 2
- %It may cause malfunction if above instructions are not followed.

Major products

Proximity sensors	Photoelectric sensors	Area sensors	http://www.autonics.com
Fiber optic sensors	Door/Door side sensors	Pressure sensors	Satisfiable Partner For Factory Automation
Counter	Timers	Rotary encoders	HEAD QUARTERS :
Display units	Power controllers	Sensor controllers	116, Ungbigongdan-gil, Yangsan-si, Gyeongsangnam-do, Korea
Panel meters	Graphic/Logic panels		#402 404 Rushoon Tachno Dark 655 Duponachoon ro
Temperature controlle	ers	Wonmi-gu Bucheon Gveonogi-do Korea	
Tachometer/Pulse(Ra	ate) meters	TEL:82-32-610-2730 / FAX:82-32-329-0728	
Temperature/Humidit	y transducers	E-mail : sales@autonics.com	
Stepping moters/driv	ers/motion controllers	The proposal of a product improvement	
Laser marking system (CO ₂ , ND:YAG)			and development : product@autonics.com
Laser welding/soldering system			EP-KE-77-0019E



(unit: kPa

:50.0 :-50.0 :-50.0 :50.0 :-50.0

:50.0 :50.0 :-50.0 :50.0

▲ Caution 17mm Spanne

The tightening torque of one touch itting should be max. 100kgf.cm. it may cause machanical problems

5.Bracket(PSO-B02) and front protection cover(PSO-P01)



Bracket pane

are optional to sell. Please see the figure for installation.



- available). Other settings are still available. oFF: All of the setting is available, all keys are unlocked.

② Zero point adjustment function The zero point adjustment function forcibly sets the pressure value to "Zero" when the pressure port is opened to atmospheric pressure. When the zero adjustment is applied, analog output [Voltage or Current] is changed by this function.(Press 🗵 + 🗟 keys over 1 sec. in RUN mode.)

O High Peak / Low Peak Hold Function
 O High Peak / Low Peak Hold Function
 This function is to diagnosis malfunction of the system caused by parasitic pressure or to check through memorizing the max/min. pressure occurred from the system.

Error

Error display	Description	Countermeasures		
Err I	When external pressure is input while adjusting zero point.	Try again after removing external pressure.		
Errz	When overload is applied on control output	Remove overload.		
Errð	When setting condition is not met in Auto sensitivity setting mode.	Check setting conditions and set proper setting values.		
LLLL	When applied pressure exceeds Low-limit of display pressure range.			
нннн	When applied pressure exceeds High-limit of display pressure range.	Apply pressure within display pressure range.		
- HH -		Set the corrected setting value within setting		
-LL-	Auto shift correction error.	pressure range.		
- HL -				
%The above specifications are subject to change without notice.				





Installation

 Pressure port is divided as basic and option specification. Therefore, be sure that to use commercially available one touch fitting. (Standard: Rc1/8", Option: NPT1/8", R1/8") 2.Please connect it by using spanner(12mm) at the metal part in order not to overload on the body when connecting one touch

fitting. 3.Two different fixing brackets are provided for PSAN model 3.1wo different fixing brackets are provided for FSAN model. Select proper one with considering your application environments. 4.At first, please unscrew hexagon wrench bolt and assemble the bracket on this unit by fixing hexagon the wrenchold. In this case, ightening torque of hexagon wrench should be max. 30kgfcm. It may cause mechanical problems.



Init__range = wax.usplay pressure - wax. preset setting value % If pressing S + S keys for over 1sec. in case of High peal / Low peak/ Auto shift reference pressure value, setting value will be erase and return to next operation.

- Do not insert any sharp or pointed object into press It may cause malfunction and damage the sensor. It may cause maifunction and damage the sensor, oil, thinner etc. 2. Be sure that this unit must avoid direct touch with water, oil, thinner etc. 3. It is ready to operate 3 sec. after it is turned ON. Be sure not to use the product within 3 sec. 4. When using switching mode power supply, frame ground (F.G.) terminal of power supply should be grounded. 5. To avoid inductive noise, keep the wiring away from power line, high voltage line. It may cause matil motion

(Blue)0V

5.Bracket(PSO-B02) and front protection cover(PSO-P01)

(PSO-P01)

Bracket pane

12mm

are optional to sell. Please see the figure for installation.

▲ Caution

The tightening torque of one touch itting should be max. 100kgf·cm. It may cause machanical problems

Panel bracket (PSO-B02)

Body (PSAN)

- It may cause malfunction. 6. When moving this unit from warm place to cold place, please remove the humidity on the cover then use it.
- Source and use it.
 To not press the setting button with sharp or pointed object.
 So not apply a tensile strength in excess of 30N to the cables or connector
 When using mmH₂O unit, please multiply display value by 100.
 To Installation environment
 - (i) It shall be used indoor.
 (ii) Altitude Max. 2,000m

 (iii) Pollution Degree 2
 (ii) Installation Category I
 - ④ Installation Category II
- %It may cause malfunction if above instructions are not followed.

Major products

Autonics Corporation Proxinity sensors
 Photoelectric sensors
 Protection provide sensors
 Proverse sensors
 Door/Door side sensors
 Counter
 Display units
 Power controllers
 Panel meters
 Graphic/Logic panels
 Temperature controllers Satisfiable Partner For Factory Automation EAD QUARTERS : Yangsan-si, Gyeongsangnam-do, Ko 116, Ungbigongdan-gil, OVERSEAS SALES chno Park. 655. Pveonocheon-ro Temperature controllers Tachometer/Pulse(Rate) meters #402-404, Bucheon Techno Park, 655, Pyeo Wonmi-gu, Bucheon, Gyeonggi-do, Korea TEL:82-32-610-2730 / FAX:82-32-329-0728 Temperature/Humidity transducers Stepping moters/drivers/motion controll Laser marking system (CO₂, ND:YAG) Laser welding/soldering system The proposal of a product improvement and development : product@autonics.con EP-KE-77-00

