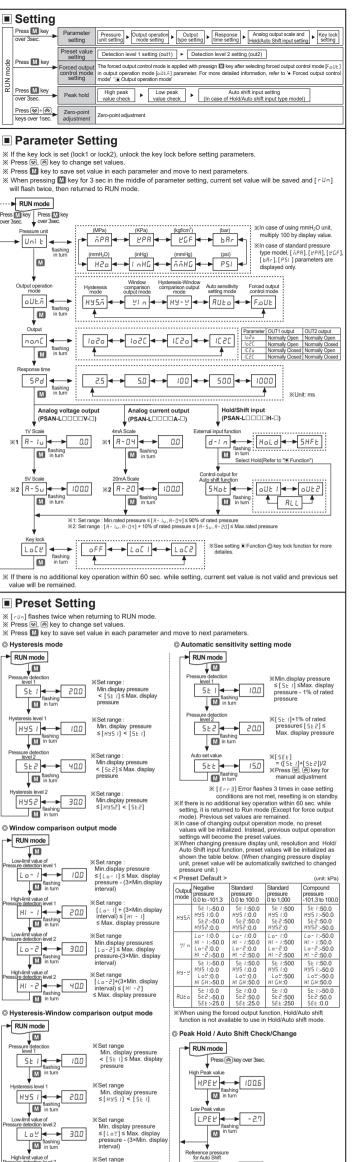




		ficati		aude press	Ire <sup>%6</sup> (In co	se of 100.0k	Pa/Stand	ard pressure	e is rauge	Dressure )	Setting     Press M key     P
Pressure		Connector	Negative		Standard	pressure		1C(P)V-	Compou	Ind pressure C01C(P)V-	over 3sec.
Volta	ut	Connector Cable	PSAN-LV	01C(P)V- 🗆	PSAN-LU	01C(P)V- □		1C(P)V- 🗆		C01C(P)V-	Press M key
		Connector	PSAN-LV	01C(P)A- 🗆	PSAN-LO	)1C(P)A- 🗆	PSAN-L	1C(P)A- 🗆	PSAN-L	C01C(P)A- 🗆	Por E Col
≥ Hold/. shift ii		Connector Cable	PSAN-LV	01C(P)H- □	PSAN-LO	)1C(P)H- □		1C(P)H-		C01C(P)H-  C01(P)H-  C01(P	Press M key
Rated pre	essure	e range	0.0 to -10			PSAN-B1(P) 100.0kPa 0 to 1,000kP		00kPa	-101.3kPa to 100.0kF		over 3sec.
lin.displa	lay uni		5.0 to -10 0.1kPa		-5.0 to 11 0.1kPa	IU.UKPa	-101.3 to 1kPa	o 1,100kPa	0.1kPa	a to 110.0kPa	Press 😒 + 🙈 Z keys over 1sec.
lax. pres		range		rated press orrosive ga		that will not	corrode	SUS316L			- Deremete
ower su Current c		nption	12V-24VE Max. 50m	C== ±10% A(Analog C	(ripple P-P Current Out	:Max. 10%) tput type Ma	x 75mA)				Paramete % If the key lock is se
Control o			NPN or P	NP open co	ollector out	put		voltage - NPN: N	Max. 1VDC=	PNP: Max. 2VDC	💥 Press 🗐, 🗟 key to
	eresis eat err		Min. displ								<ul> <li>※ Press M key to sa</li> <li>※ When pressing M</li> </ul>
Resp	oonse	time	Selectable			, 500ms, 10	00ms				will flash twice, ther
_		protection	Output v	oltage: 1-5	Press M key Press M key						
nalog utput	Voltag	e output	<ul> <li>Zero point: Max. 10DC= ±2% F.S. Span: Max. 4/DC= ±2% F.S. Response time; 50ms</li> <li>Resolution: Automatically changed to 1/1000 or 1/2000 by pressure unit</li> <li>Output current: DC4-20mA ±2% - Linear: Max. ±1% F.S.</li> <li>Zero-point: Max. DC4mA ±2% F.S. • Span: Max. DC16mA ±2% F.S.</li> <li>Response time: 70ms - Resolution: Automatically changed to 1/1000 or 1/2000 by pressure unit</li> </ul>								over 3sec. vover 3sec.
	Currer	nt output									Pressure unit
isplay n	netho			LED Displa		n. Automatica	illy change		JI 1/2000 Dy	pressure unit	flashin in turn
	ure unit	Resolution	1000	2000	<b>1000</b> 0.001	2000	<b>1000</b> 0.001	2000	1000	2000	
MPa kPa			0.1	=	0.1	=	1	=	=	0.1	Output operation mode
MPa kPa kgf/cr bar bar psi mmH	m²		0.001	=	0.001	_	0.01	=	=	0.001	oUt.ñ 🗲
	lg		=	0.01 0.4		0.01	-	0.1	=	0.02	flashin M in turn
inHg mmH	Ŭ		0.1	0.02	$\sim$	$\sim$			=	0.03	Output
splay a	accura		0°C to 50°			-10 to 0°C :	Max. ±1%	F.S.	<u> </u>	1	no.n[
ielectric sulatior	n resis		Over 50M	50/60Hz fo	DC megge	r)					M in turn
bration nviron-		nt temp.		plitude at fre			or 1 min.) i	n each of X,	Y, Z directio	on for 2 hours	Response time
	Ambie	nt humi.	30 to 80%	RH, storag	e :30 to 80		e type: IP	65 (IEC. etc.	ndards)		5Pd flashin in turr
laterial			Front case	e: PC, Rear	r case: PA6	6, Pressure					-
able			(AWG24,	r cable (Ø4 Core diame	, o-wire, Le eter : 0.08n	ngin: 2m) nm, Number	of cores :	40, Insulate	or out diam	eter: Ø1mm)	Analog vo (PSAN-L⊡
pproval Veight <sup>≈s</sup>	5					approx. 88g	), Cable t				1V Scale
R1/8	3: PT1/	/8"model(s	standard), I	del name is NPT1/8: NF	PT1/8"mod			ЖThе		1digit error in	×1 R-lu M flashing in turn
9/16- 7/16-	-18UN -20UN	IF: 9/16"-1 IF: 7/16"-2	18UNF mod 20UNF mod	del(cable ty del(connect	pe), or type)			hy		pressure unit	
3: It is a	allowe	d to select	t one analo	ction differe	pe only.			×For		20 unit, multiply	5V Scale
5: This w	veight i	s with pack	aging and th	he weight in	parentheses	ally selected b s is only unit v	veight.	e units. <sub>%</sub> Env	vironment re	sistance is rated or condensation.	×2 R-5u tashing
					spheric pres	sure 101.3kF	'a.	dl			M in turn
			ptions	nge of rate	d pressure	e: It is possi	ble to cha	nge the pre	ssure unit	in Pressure	
PSAN		± 100kPa	sen	sor. Please	use differe	ent unit as la Used to in	abel for yo	ur application	on.		Key lock
	IJ		and 3. Out	error mess	age. ator(Red):	Output 1 is	ON, LED	will be ON.			Lo[Ľ -
ount			4 4. Out	put2 indica	ator(Greei	n): Output 2	is ON, LE	ED will be O	N. nd to save	Setting mode.	M in tur
		Autoaks	6. ₩, sett	🔊 key: Us ing or outpι	ed to set p ut operatio	arameter ar n mode.	nd preset,	peak value	check mo	de, function	※ If there is no addition value will be remain
		6	1	+ 🗟 key: U	sed for zer	ro point adju ly in RUN m		nction by pr	ressing 💌	+ 🔿 keys	Preset Se
				n Mod							※ [ run] flashes twice
		s has 5 kir node[ H9		out operatio	n mode. U			operation n son output		e detection. ∩]	<ul> <li>※ Press <ul> <li>≫, <ul> <li>⊗ key to</li> <li>※ Press <ul> <li>M key to sa</li> </ul> </li> </ul></li></ul></li></ul>
It is able	e to se	et certain v	value for pr	essure dete	ection	<ol> <li>It is ab</li> </ol>	le to set th	he range for	high[H] -	I, HI - 2]/low on level when	⊚ Hysteresis mode
[24	.,	2			-	it is req	uired to d	etect press	ure at a ce		RUN mode
Pressure			$\wedge$			Pressure			×1: Min. di	splay range	Pressure detection level 1
442 2F 442 2F	i h		/	<u>.</u>		HI - 2 Lo-2	*1	/	$\mathbf{X}$		5E 1 🔷 🔸
наг	° [ <sup>- • - •</sup>	/		$\setminus$		ні - 1	*1	/	$\langle \rangle$		flashing flashing in turn
		/		$\backslash$		Lo- I	*1			<u>}</u>	Hysteresis level 1
<b>11 N.O.</b> 0					Time	OUT1 N.O. OF				►Time	H95 / flashing
1/H95 I OF	FF				► Time	Lo- 1/HI - 10FF				Time	Pressure detection
1 N.C. 0 / H95 / OF	FF				Time	OUT1 N.C. ON Lo- 1/HI - IOFF				Time	
<b>12 N.O</b> . 0 / H 452 OF					→ Time	OUT2 N.O. ON Lo-2/HI -2OFF		_ <b> </b> _		Time	flashing in turn
12 N.C. 0						OUT2 N.C. ON				►Time	Hysteresis level 2
Hystere	esis-w			node [5± 1,	е[ны-⊻]	O Automa	tic sensit	ivity settin o set pressu	g mode[ R ure detection	Uto]	H952
and w	vindow	v comparis	son output	mode wher mparison o	n both	the pro	per positio	on automati	cally. It is s	et by applied	© Window comparis
mode	Eoy !	, HI GH] ai	re necessa			②Detecti	on hyster	esis is fixed tection leve	to min. dis	olay range. hown in the	RUN mode
					J	followin	ig calculat	tion. 5EE =	( <u>5E 1+5E2</u> 2	)	
Pressure HI GH	н 🕌	1	×1:	Min. display ra	nge	Pressure St 2	<u>+ ×1</u>		2 ※1: Min. dis		Low-limit value of Pressure detection level 1
Loy	1.4	1		<u> </u>		SEE	SEE=(SE /	+5E 2 V2	$\mathbf{X}$		Lo-1 flashing in turn
5E				$\mathbf{i}$	_	SE /	**1	/		 \	High-limit value of Pressu <u>re detection</u> level 1
HA2 1				$\rightarrow$	— ► Time					Time	HI - I 🗲 🍝
1 N.O. OI / H	F.				→ Time	OUT1 N.O. OF				► Time	flashing in turn
1 N.C. OI	FF.				Time	OUT1 N.C. ON SEL OFF				► Time	Low-limit value of Pressure detection level 2
2 N.O. 01	₩ <b>_</b>				→ Time	OUT2 N.O. ON				► Time	Lo-2 - flashing in turn
2 N.C. OI HIGH OF	F		medala		► Time	SE 1/SE2 OFF				Time	High-limit value of Pressure detection level 2
D Used	to dis	play press		rcibly holdir		ing output C				it control	HI - 2
mode i	is ope	rated.				[oUt.n] is c	-				in turn
	1, 2 ca UN mo		JEE manua		sing (≫), (≪ IN mode	key While	d output co	ontrol mode		s applied. mode	© Hysteresis-Windo
	_	1	irrent pressure	9	-	Ī	operation s	าสเมร์			RUN mode
	F.oUL	Hashing	83.1		OUT1 OF	F <b>f</b>	• 1		•	lime	Pressure detection level 1
	<b>y</b> [			:	OUT2 OF		<u> </u>		1		5E / 🗲 🕨
R	UN mo	bde									flashing
			Aur - 1		-					lime	M in turn
Co	ntr	ol Ou			onnec	tion D					Hysteresis level 1
Co Analog	ntr	ol Ou	voltage out utput	tput PSAN	onnec		ent outpu	ut PSAN-L	- <b>A</b> -		Hysteresis level 1
Co Analog	ntr	ol Ou	utput	tput PSAN	onnec	tion D	ent outpu	It PSAN-L	- <b>A</b> -		Hysteresis level 1 Hysteresis level 1 Hysteresis level 1 flashing Low-limit value of
Analog	ntr	ol Ou out type (v collector ou	utput	tput PSAN	onnec	tion D	ent outpu	t PSAN-L output	n)+V		Hysteresis level 1 Hysteresis level 1 Hysteresis level 1 Hysting finathing finathing



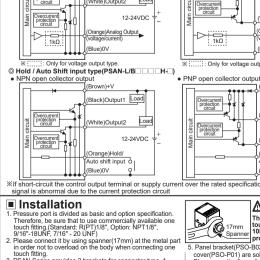


© Zero point adjustment The zero point adjustment function forcibly sets the pressure value to "Zero" when the pressure port is opened to atmospheric pressure. When the zero adjustment is applied, analog output [Voltage or Current] is changed by this function.(Press 😒 + 善 keys over 1 sec. in RUN mode.) ♥ High Peak / Low Peak Hold

High Peak / Low Peak Hold 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

L					
l	Display	Description	Troubleshooting		
l	Err I	When external pressure is input while adjusting zero point.	Try again after removing external pressure.		
l	Err2	When overload is applied on control output	Remove overload.		
	Err 3	When setting condition is not met in Auto sensitivity setting mode.	Check setting conditions and set proper set values.		
LL	LLLL	When applied pressure exceeds Low-limit of display pressure range.	Apply pressure within display pressure		
нннн		When applied pressure exceeds High-limit of display pressure range.	range.		
	-HH-,-LL-,-HL-		Set the corrected set value within setting pressure range.		
	*The above spe *Be sure to fol (catalog, hom	ecifications are subject to change and some mode low cautions written in the instruction manual a repage).	els may be discontinued without notice. and the technical descriptions		



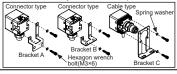
Front cover (PSO-P01)

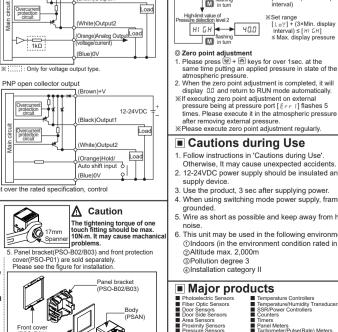
or ove

Mounting panel (Panel thickness: 0.8 to 3.5mm) 6. Do not pull the cable with a tensile strength

12-24VDC -

touch fitting. PSAN Series provides 2 brackets for connector type, 1 bracket for cable type. The 2 types of installation is available by for installation environments. At first, please unscrew hexagon wrench bolt and assemble the bracket on this unit by fixing hexagon the wrench bolt. In this case, tightening forque of hexagon wrench should be max. 3N-m. It may cause mechanical problems.





Load

High-limit value of essure detection level 2

	flashing ≤ Max. display pressure	M in turn
4VDC + Load	<ul> <li>Szero point adjustment</li> <li>Please press Si + Si keys for over 1sec. at the same time putting an applied pressure in state of the atmospheric pressure.</li> <li>When the zero point adjustment is completed, it will display ΩD and return to RUN mode automatically.</li> <li>If executing zero point adjustment on external pressure being at pressure port [<i>F</i> - 1] flashes 5 times. Please execute it in the atmospheric pressure after removing external pressure.</li> <li>WPlease execute zero point adjustment regularly.</li> </ul>	※1: PSAN+L □ □ H - □ biplayed only when [d-1 n] is set to [SHF Ł]. Auto shift reference pressure can be set within display error range.(Low_Range ≤ [SH/ n] S High_Range) - Low_Range = Min.display pressure - Min. preset set value - High_Range = Max.display pressure - Max. preset set value SIf pressing (S) + (S) keys for over 1sec. in case of High peak / Low peak/ Auto shift reference pressure value, set value will be erase and refurm to next operation. X [r Un] flashes twice, then return to RUN mode.
e of one be max. machanical	<ul> <li>Cautions during Use</li> <li>Follow instructions in 'Cautions during Use'. Otherwise, It may cause unexpected accidents.</li> <li>12-24VDC power supply should be insulated and supply device.</li> <li>Use the product, 3 sec after supplying power.</li> <li>When using switching mode power supply, frame grounded.</li> <li>Wire as short as possible and keep away from hig noise.</li> <li>This unit may be used in the following environmen Olndoors (in the environment condition rated in 'S @Altitude max. 2,000m</li> <li>Installation category II</li> </ul>	ground (F.G.) terminal of power supply should be gh voltage lines or power lines, to prevent inductive nts.
t J3) SAN) h of 30N	Major products     Photoelectric Sensors     Fiber Optic Sensors     Door Site Sensors     Area Sensors     Proximity Sensors     Prosumity Sensors     Prosumity Sensors     Prosumity Sensors     Trans     Prosumity Sensors     Transite     Transi     Transite     Transite     Transite     Transite     Transite	AutonicS Corporation http://www.autonics.com HEAQUARTERS: 18. Bansong-ro 513 beon-gil, Haeundae-gu, Busan, South Korea, 48002 rollers TEI: 82515.519-3232 E-mail: sales@autonics.com DRW171186AA

×1 5*H,I* ∩ ◀

flashing M in turn

5 0.0