ZSE ISE

ZSP

PS

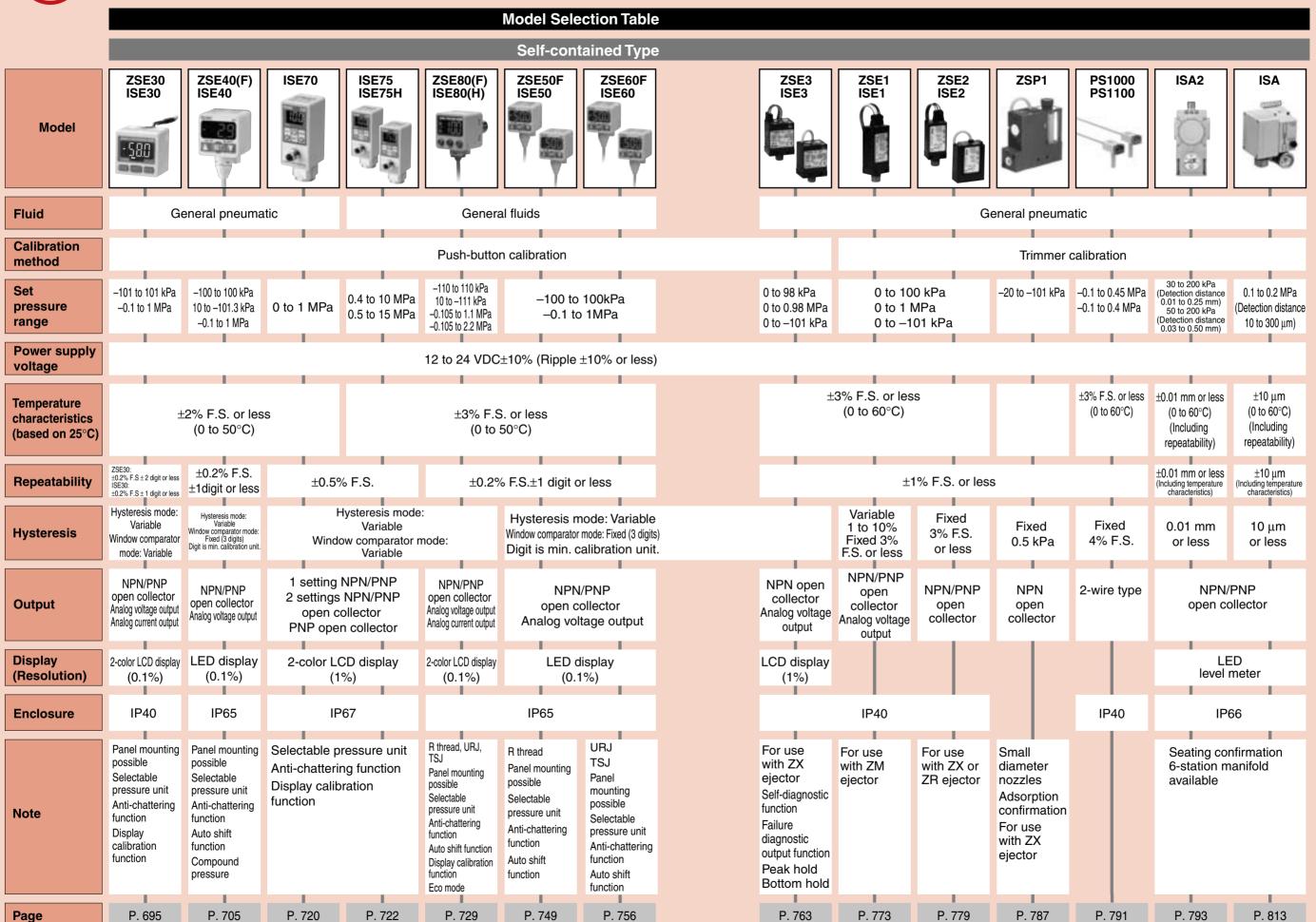
ISA

PSE

IS

ISG

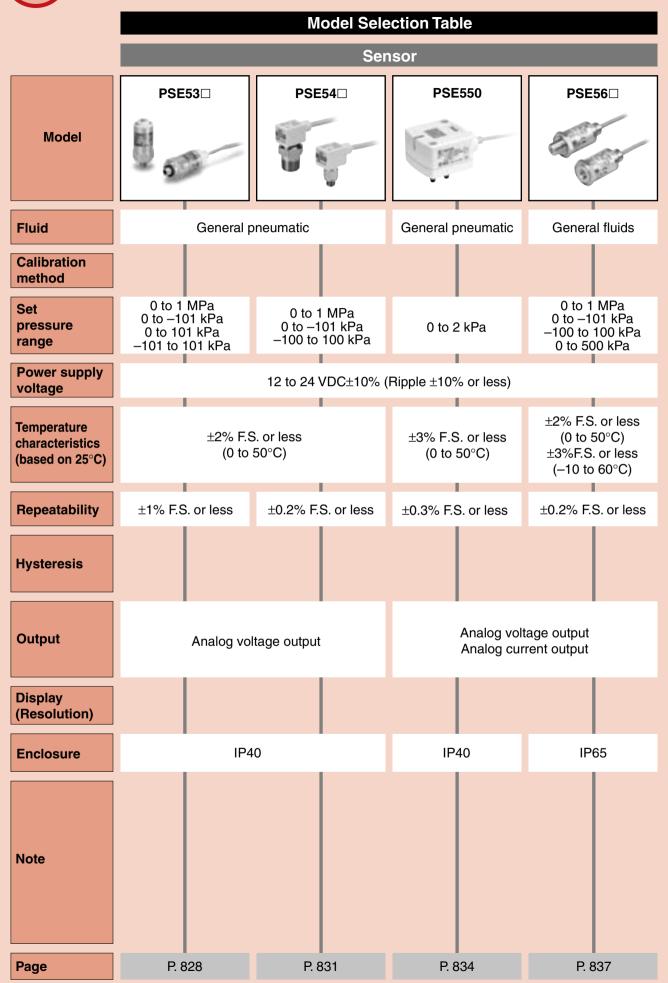
ZSM



678

6

Electronic Pressure Switch Series (Remote Type)



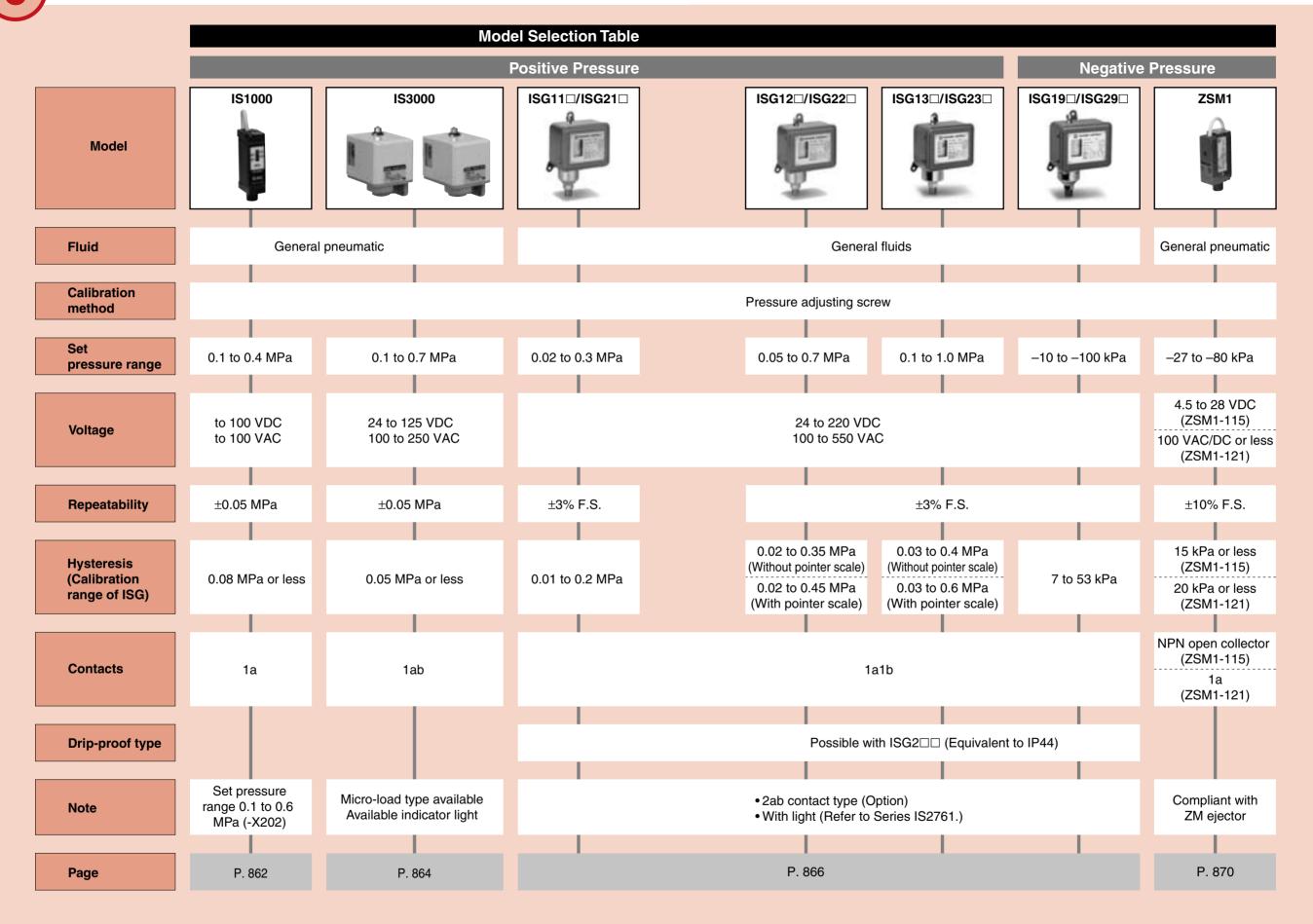
Series Variations

Model Selection Table Controller **PSE200 PSE300** Model Sensor 4 inputs 1 input input amount Calibration Push-button calibration method -0.1 to 1 MPa -0.1 to 1 MPa -50 to 500 kPa Set 10 to -101 kPa 10 to -101 kPa -0.2 to 2 kPa pressure -101 to 101 kPa -101 to 101 kPa range -10 to 100 kPa -10 to 100 kPa **Power supply** 12 to 24 VDC±10% (Ripple ±10% or less) voltage **Temperature** ±0.5% F.S. or less characteristics (0 to 50°C) (based on 25°C) ±0.1% F.S. Repeatability $\pm 0.1\%$ F.S. or less ±1 digit or less Hysteresis mode: Hysteresis mode: Variable Variable **Hysteresis** Window comparator mode: Window comparator mode: Fixed (3 digits) Variable NPN/PNP open collector NPN/PNP open collector 1 CH: 2 outputs 2 outputs Output 2 to 4 CH: 1 output Analog voltage output Analog current output **Display** Single-color LCD display 2-color LCD display (Resolution) (0.1%)(0.1%)Front only IP65 **IP40 Enclosure** The rest IP40 Panel mounting possible Panel mounting possible Auto shift function DIN rail mountable Display calibration Auto shift function function Display calibration Anti-chattering function function **Note** Copy function Anti-chattering function Selectable pressure Selectable pressure unit unit **Page** P. 840 P. 846

ZSE

ISE

ZSP



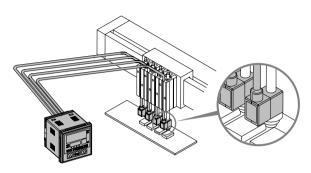
Pressure Switch Application Example

When selecting a model, please thoroughly review and confirm beforehand, that the model will meet the necessary specification.

Adsorption Confirmation

1 Sensor installed close to the pad (No. 1)

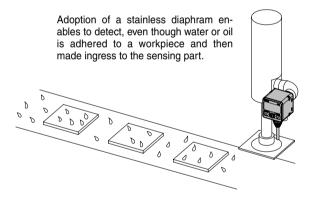
Series PSE54□ + PSE200



Due to its small size, the sensor can be installed close to a pad. Calibration is easy with auto-preset function.

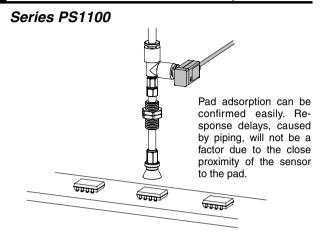
3 Adsorption confirmation of a workpiece absorbed with water/oil

Series ZSE50F

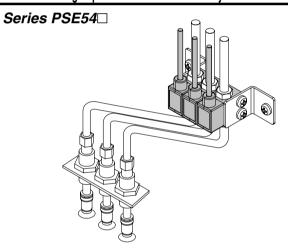


Note) When vacuum is released, take precautions to avoid water collision with rush inertia. (Parts to prevent water collision with rush inertia (ZS-31-X175, X186) are available.)

2 Sensor installed close to the pad (No. 2)



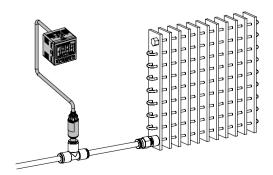
4. Installation of a group of sensors as a manifold style at the same site



Leak Test

5 Inspection of a radiator

Series PSE532 + PSE300



Low pressure sensor (PSE532- \square) is used to detect minute differentiations. Auto shift function reduces influence of fluctuations in the supply pressure.



Pressure Switch Application Example

Confirmation of Supply Pressure

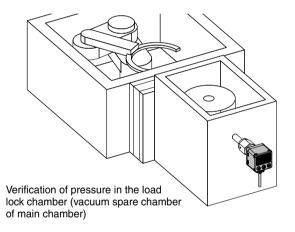
6 Confirmation of supply pressure in air line

Series ISE30

Line pressure can be adjusted by monitoring the digital readout. Visual verification of the operating pressure. Output can be programmed to respond to supply pressure drops, etc.

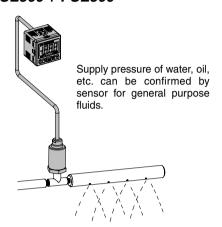
8 Confirmation of atmospheric pressure for load lock chamber

Series ZSE80F

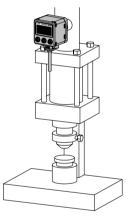


7 Confirmation of supply pressure in washing line

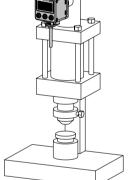
Series PSE560 + PSE300



9 Verifies peening of hydraulic cylinders



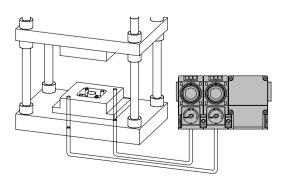
Series ISE80



Confirmation of Placement

10 Confirmation of correct workpiece placement

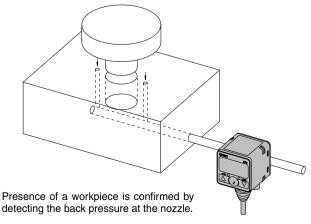
Series ISA2



Able to confirm the position easily even in a place, where the temperature is high for detecting parts like die-casting, and an environment, where a proximate sensor cannot be used.

11 Confirmation of a workpiece presence simply

Series ZSE40F





ZSP

PS

ISA

PSE

IS

ISG

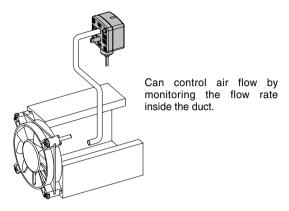
ZSM

Pressure Switch Application Example

Low Differential Pressure Detection

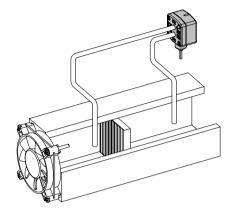
12 Flow control

Series PSE550



13 Filter clogging monitoring

Series PSE550



Can control filtration and replacement periods by monitoring the clogging of the

14 Liquid level detection

Series PSE550

