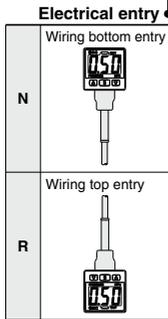


# Digital Pressure Switch (Built-in Regulator Type) Series ISE35



## How to Order

ISE35 - **N** - **25** - **M** **L** □



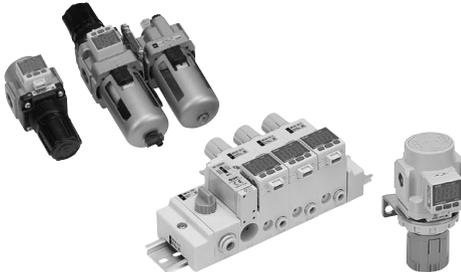
**Output specifications**

25	NPN output
65	PNP output

**Unit specifications**

<b>Nil</b>	With unit conversion function <small>Note 1)</small>
<b>M</b>	Fixed SI unit <small>Note 2)</small>
<b>P</b>	Pressure unit: psi (Initial value), with unit conversion function <small>Note 1)</small>

Note 1) Under the New Measurement Law, sales of switches with the unit switching function have not been allowed for use in Japan.  
Note 2) Fixed unit: MPa

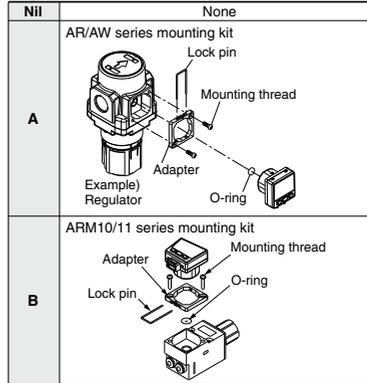


### Option/Part No.

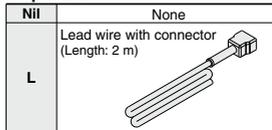
When optional parts are required separately, use the following part numbers to place an order.

Name	Part No.	Note
Lead wire with connector	ZS-32-A	Length: 2 m (With rubber cover)
Mounting option	ZS-32-C	For ISE35-□-A (AR/AW series) Mounting thread (M3 x 7L, 2 pcs.), adapter, lock pin, O-ring are attached
Mounting option	ZS-32-D	For ISE35-□-B (ARM10/11 series) Mounting thread (M3 x 13, 2 pcs.), adapter, lock pin, O-ring are attached

**Option 2**



**Option 1**



## Applicable series

Product series that this product can be installed in.

Product series	Model
F.R.L. combination	AC20/AC25/AC30/AC50/AC55/AC60
	AC20A/AC30A/AC40A/AC50A/AC60A
	AC20B/AC25B/AC30B/AC50B/AC55B/AC60B
	AC20C/AC25C/AC30C/AC40C
Regulator	AC20D/AC30D/AC40D
Filter regulator	AR20 (K) /AR25 (K) /AR30 (K) /AR40 (K) /AR50 (K) /AR55 (K) /AR60 (K)
Mist separator regulator	AW20 (K) /AW30 (K) /AW40 (K) /AW60 (K)
Micro mist separator regulator	AWM20/AWM30/AWM40
Compact manifold regulator	AWD20/AWD30/AWD40
Direct precision operated regulator	ARM10/ARM11
	ARP20 (K) /ARP30 (K) /ARP40 (P)

For details about the Pressure Switch Precautions, refer to pages 763 and 764. For details about the Specific Product Precautions, refer to the Operation Manual at SMC website.

**Specifications**

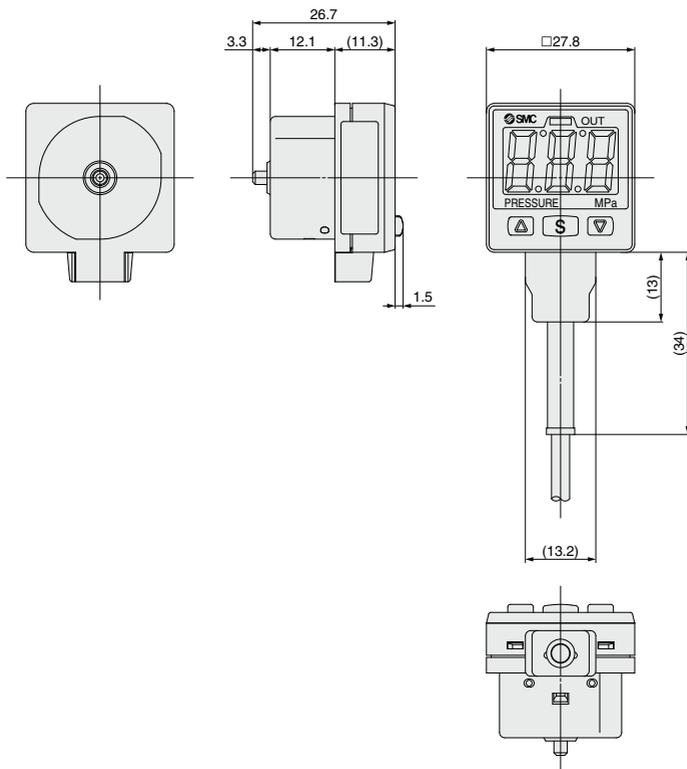
Model		ISE35
<b>Rated pressure range</b>		0 to 1 MPa
<b>Display/setting pressure range</b>		-0.1 to 1 MPa
<b>Withstand pressure</b>		1.5 MPa
<b>Minimum display/setting unit</b>		0.01 MPa
<b>Applicable fluid</b>		Air, Non-corrosive gas, Non-flammable gas
<b>Power supply voltage</b>		12 to 24 VDC ±10%, Ripple (p-p) 10% or less (With power supply polarity protection)
<b>Current consumption</b>		55 mA or less (at no load)
<b>Switch output</b>		NPN or PNP open collector output: 1 output
	<b>Max. load current</b>	80 mA
	<b>Max. applied voltage</b>	30 V (With NPN output)
	<b>Residual voltage</b>	1 V or less (With load current of 80 mA)
	<b>Response time</b>	1 s (0.25, 0.5, 2, 3s selections)
<b>Short circuit protection</b>		Yes
<b>Repeatability</b>		±1% F.S.
<b>Hysteresis</b>	<b>Hysteresis mode</b>	Adjustable (can be set from 0)
	<b>Window comparator mode</b>	
<b>Display</b>		3-digit, 7-segment indicator, 2-color display (Red/Green) A switch can be operated simultaneously.
<b>Display accuracy</b>		±2% F.S. ± 1 digit (at 25°C ±3°C ambient temperature)
<b>Indicator light</b>		Lights up when output is turned ON. (Green)
<b>Environment</b>	<b>Enclosure</b>	IP40
	<b>Operating temperature range</b>	-5 to 50°C (No freezing or condensation)
<b>Lead wire with connector <sup>(Note)</sup> (Option: L)</b>		Oil resistance vinyl cabtyre cable 3 core ø3.4 2 m Sectional area of conductor: 0.2 mm <sup>2</sup> (AWG25) Outside diameter of insulator: 1.16 mm
<b>Weight</b>		Approx. 14 g (Body only)    Approx. 38 g (Including lead wire with connector)
<b>Standard</b>		CE, UL/CSA (E216656) RoHS

Note ) For details about wiring, refer to the Operation Manual that can be downloaded from SMC website (<http://www.smcworld.com>).

ZSE30  
ISE30  
ZSE40  
ISE40  
ISE10  
ISE10  
ISE70  
ZSE80  
ISE80  
ZSE□  
ISE□  
ZSP  
PS  
ISA2  
PSE  
IS  
ISG  
ZSM1

# Series ISE35

## Dimensions



## Lead wire with connector ZS-32-A

