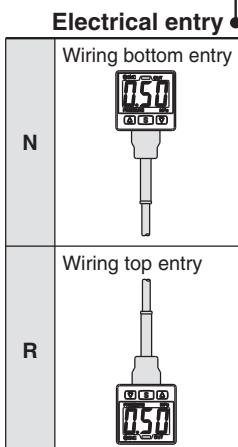


# Digital Pressure Switch (Built-in Regulator Type) Series ISE35



## How to Order

ISE35 - **N** - **65** - **M** **L**



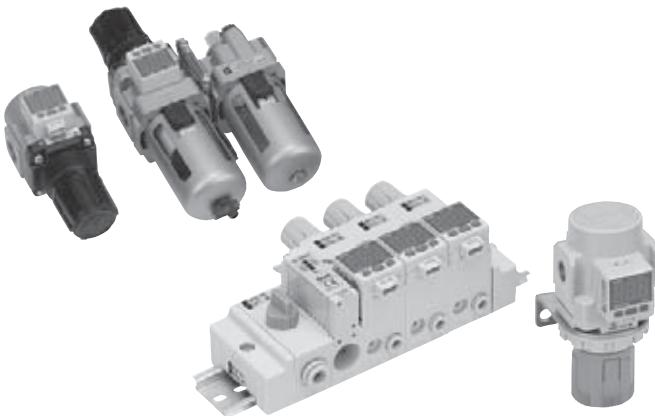
Output specifications

25	NPN output
65	PNP output

Unit specifications

—	With unit conversion function
M	Fixed SI unit Note)
P	Pressure unit: psi (Initial value), with unit conversion function

Note) Fixed unit: MPa

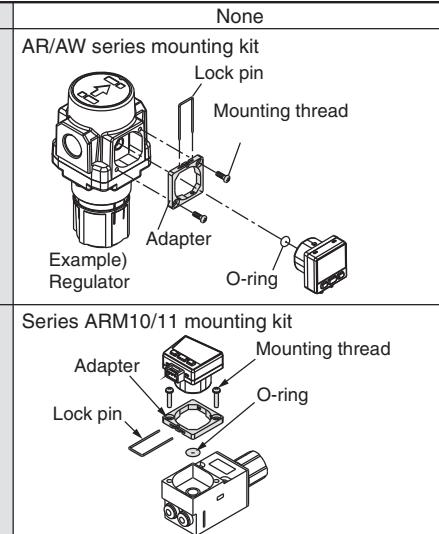


### Option/Part No.

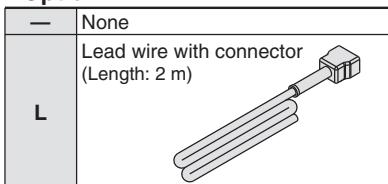
When optional parts are required separately, use the following part numbers to place an order.

Option	Part No.	Note
Lead wire with connector	ZS-32-A	Lead wire length: 2 m
Mounting option	ZS-32-C	For ISE35-□-A (AR/AW series) Mounting thread (M2 x 7L, 2 pcs.), adapter, lock pin, O-ring are attached
Mounting option	ZS-32-D	For ISE35-□-B (AEM10/11 series) Mounting thread (M2 x 13, 2 pcs.), adapter, lock pin, O-ring are attached

• Option 2



• Option 1



### Applicable series

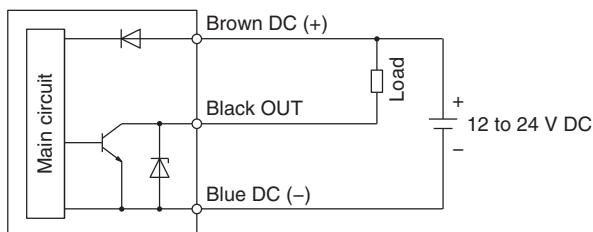
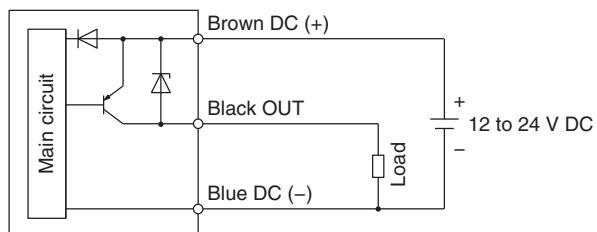
Product series that this product can be installed in.

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
	AC20D/AC30D/AC40D
Regulator	AR20 (K) /AR25 (K) /AR30 (K) /AR40 (K) / AR50 (K) /AR55 (K) /AR60 (K)
Filter regulator	AW20 (K) /AW30 (K) /AW40 (K) /AW60 (K)
Mist separator regulator	AWM20/AWM30/AWM40
Micro mist separator regulator	AWD20/AWD30/AWD40
Compact manifold regulator	ARM10/ARM11
Direct precision operated regulator	ARP20 (K) /ARP30 (K) /ARP40 (P)

## Specifications

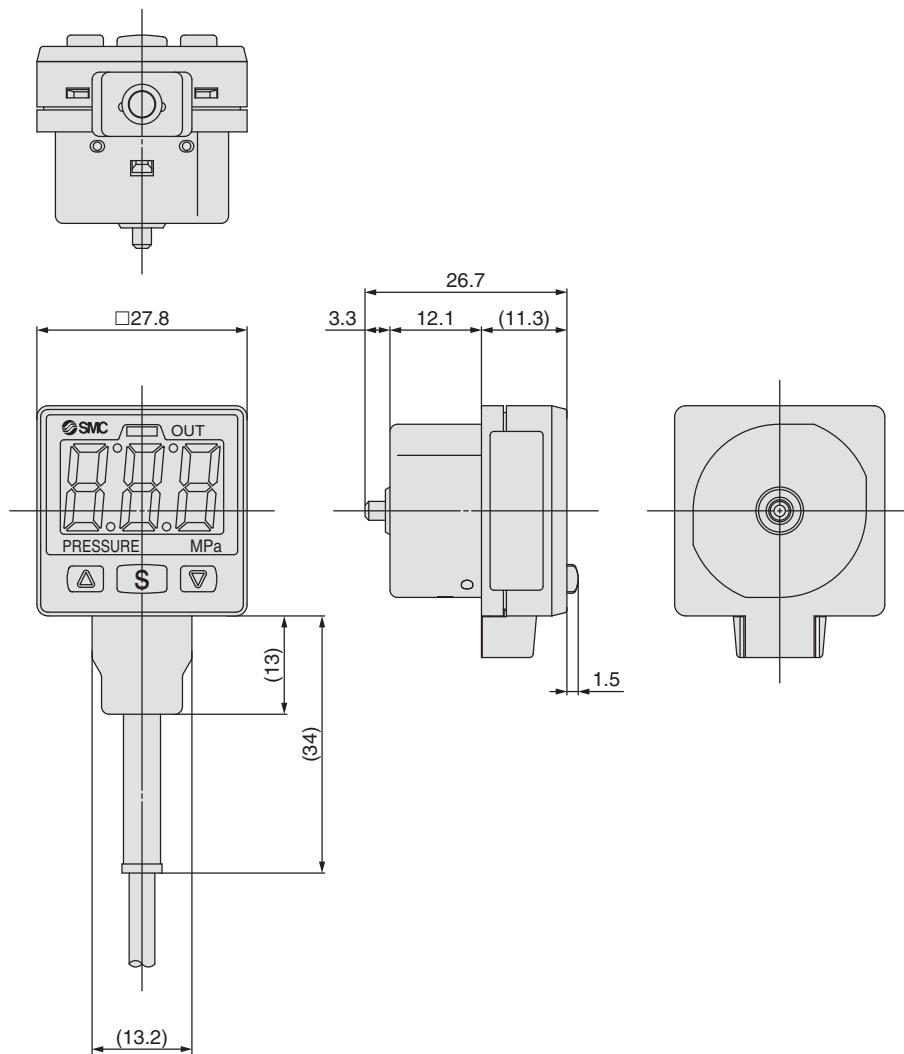
Model	ISE35
<b>Rated pressure range</b>	0 to 1 MPa
<b>Display/setting pressure range</b>	-0.1 to 1 MPa
<b>Withstand pressure</b>	1.5 MPa
<b>Minimum display/setting unit</b>	0.01 MPa
<b>Applicable fluid</b>	Air, Non-corrosive gas, Non-flammable gas
<b>Power supply voltage</b>	12 to 24 V DC $\pm 10\%$ , 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>	$\pm 1\%$ F.S.
<b>Hysteresis</b>	Adjustable (can be set from 0)
<b>Window comparator mode</b>	
<b>Display</b>	3-digit, 7-segment indicator, 2-colour display (Red/Green) A switch can be operated simultaneously.
<b>Display accuracy</b>	$\pm 2\%$ F.S. $\pm 1$ digit (at $25^\circ\text{C} \pm 3^\circ\text{C}$ 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 $^\circ\text{C}$ (No freezing or condensation)
<b>Lead wire with connector (Option: L)</b>	
	Oil resistance vinyl cabtyre cable 3 core $\varnothing 3.4$ 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

## Internal Circuits and Wiring Examples

**-25  
NPN (1 output)****-65  
PNP (1 output)**

# Series ISE35

## Dimensions



## Lead wire with connector ZS-32-A

