Comparisons between the current model and the new model with the ZSE10 series

<Differences>

- \cdot The copy function has been added.
- Values set for the master unit can be copied to the other vacuum switches when using the vacuum switches on the multiple stations.
 - Note: Number of wires used for copy function has been changed from 4 to 5.
- · Implementation of multiple angle indicator:
 - (The new design allows to view the indicator from various angles.)

Note: LED colors for the output switch 1/the output switch 2 have been turned to the opposite as follows.

	Output switch 1	Output switch 2
Current model	When ON: Red	When ON: Green
New model	When ON: Green	When ON: Red

· Handling for operation has been improved: Trimmer \Rightarrow Button

· V port piping method

Current model: M5 female thread or One-touch fitting New model: Cassette type M5 female thread or cassette type One-touch fitting

<Differences in product appearance>

Current model	New model		
One-touch fitting screwed in thread	Cassette type One-touch fitting		

<How to Order>

ZQ series with the ZSE10 series

ZQ1051U-K15LB-	*	*	*	*	*	-	2	2
	(1)	(2)	(3)	(4)	(5)		(6)	(7)

(1) Rated pressure range for vacuum pressure switch

E: 0 to -101.1kPa

F: 100 to -100kPa

(2) Vacuum pressure switch output

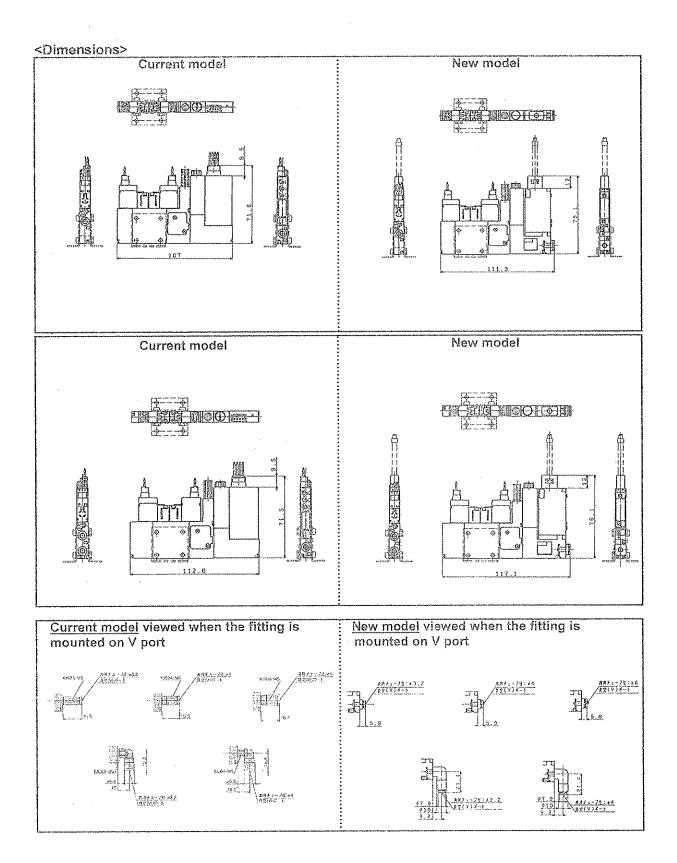
- A: NPN open collector 2-output
- B: PNP open collector 2-output
- C: NPN open collector 1-output + Analog voltage
- E: PNP open collector 1-output + Analog voltage
- (3) Vacuum pressure switch unit
 - Nil: With unit conversion function
 - M: Fixed SI unit
 - P: With unit conversion function (Initial value psi)

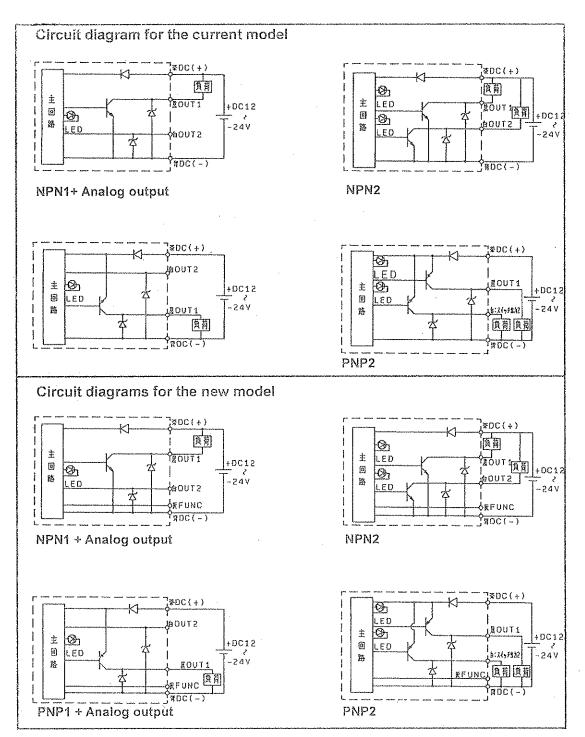
- (4) Vacuum pressure switch lead wire
 - Nil: Without connector
 - G: Lead wire with connector (2m)
- (5) Check valve
 - Nil: Without check valve
 - K: With check valve
- (6) Fitting port (V port)
 - 0: Without fitting (M5 x 0.8)
 - 1: Fitting (Ø3.2 Straight)
 - 2: Fitting (Ø4 Straight)
 - 3: Fitting (Ø6 Straight)
 - 4: Fitting (Ø3.2 Elbow)
 - 5. Fitting (Ø4 Elbow)
- (7) Fitting port (P port)
 - 0: Without fitting (M5 x 0.8)
 - 2: Fitting (Ø4 Straight)
 - 3: Fitting (Ø6 Straight)
 - 5: Fitting (Ø4 Elbow)

Note: The How to Order information for the current model, please refer to Best Pneumatics Ver. 1 volume 4.

<Specifications>

		Current	model	New model			
Fluid		Vapor (Non-corrosive)					
Rated pressure range		0.0 to -100.0kPa		0.0 to -101.1kPa			
	sure range	0.0 to -99.0kPa		10.0 to -105.0kPa			
Proof pre	ssure	200kPa		500kPa			
Power supply voltage		12 to 24VDC+/-10	0% or less (with polarity protection)				
Current consumption		35mA or less		40mA or less			
Switch output		NPN or PNP open collector 2 outputs (Option)					
Max. load current		80mA					
Switch output	Max. applied voltage	30V		28V			
	Residual voltage	0.8V or less (NPN) 1.2V or less (PNP)		2V or less (NPN, PNP) at 80mA			
		at 80mA					
Pressure representation		+/-3%F.S. or less		+/-3%F.S. or less			
Hysteresis		1 point output	Approx. 0 to 15%F.S.	Variable from 0			
		2 point outputs	2%F.S. or less				
Analog output voltage (Rated pressure rage)		1 to 5V+/-2.5%F.S.					
output	Linearity	+/-0.5%F.S. or less		+/-1%F.S.			
Display		2-digit red LED		3 ¹ /2-digit red LED			
Display a	ccuracy	+/-3%F.S.+/-2digit		+/-2%F.S.+/-1-digit			
Output indication light		Lights turn ON when switch is ON Switch output 1: Red		Lights turn ON when switch is ON Switch output 1: Green			
		Switch output 2: Green		Switch output 2: Red			
Operating	g temperature range	5 to 50°C					
Operating humidity range		35 to 85%RH (No condensation)					
Proof vol	•	500VAC for 1 min.		1000VAC for 1 min.			
Insulation	n resistance	50M Ω or more (between live parts and pressure port at 500VDC Mega)					





%The FUNC terminal is used when utilizing the copy function.