

CONDENSER FAN SPEED CONTROLLERS

Type RGE

SAGInoMIYA

GENERAL DESCRIPTION

- The most suitable for controlling the speed of a condenser fan of freezing and refrigeration condensing unit, package air conditioner and other units which are operated throughout a year.
- Keep condensing pressure constant in winter and intermediate seasons for stable operation.
- One of the following operation models is selectable when low speed.
 - Minimum Speed Operation
 - Cut off Operation
- Excellent noise-resisting design.
- Protective device conforms to IP54.
- Applicable to the external forced operation switch.

CE mark applicable (available upon request)



Single-phase type



Three-phase type

TYPE NUMBER SELECTION (SPECIFICATIONS)

Catalog No.	*1 F.V.S. Setting (MPa)		*2 E.P.B. (MPa)	Refrigerants	Electrical Ratnig	Function	Ambient Temp. (°C)	Wt. (kg)			
	Factory Set	Adjusting Range									
		Min. Max.									
RGE-Z1N2-5	1.1	0.8 2.8	Fixed 0.4	R134a	Single phase 230V. AC 50Hz	At approximately 45V%, Cut Off or Minimum Speed function is selectable with changeover switch.	p20 to 55	0.5			
RGE-Z1N4-5	1.9			R22, R404A, R407C							
RGE-Z1P2-5	1.1			R134a							
RGE-Z1P4-5	1.9			R22, R404A, R407C							
RGE-Z1Q2-5	1.1			R134a							
RGE-Z1Q4-5	1.9			R22, R404A, R407C							
RGE-Z1N2-6	1.1			0.8 2.8	Fixed 0.4		R134a	Single phase 230V. AC 60Hz	Default setting: Cut Off	p20 to 55	0.5
RGE-Z1N4-6	1.9						R22, R404A, R407C				
RGE-Z1P2-6	1.1						R134a				
RGE-Z1P4-6	1.9						R22, R404A, R407C				
RGE-Z1Q2-6	1.1						R134a				
RGE-Z1Q4-6	1.9						R22, R404A, R407C				
RGE-Z3R2-7	1.0	0.8 2.8	Fixed 0.4	R134a	Three phase 200V. AC 50/60Hz	At approximately 35V%, Cut Off or Minimum Speed function is selectable with changeover switch.	-20 to 50	1.4			
RGE-Z3R4-7	1.6			R22, R404A, R407C							
RGE-X3R2-7	1.0			R134a							
RGE-X3R4-7	1.6			R22, R404A, R407C							

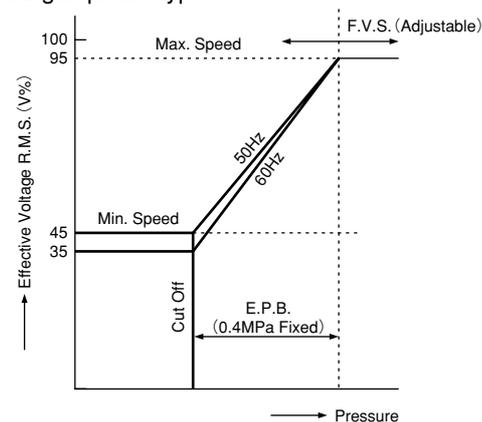
*1: The pressure at which the control delivers 95% output effective voltage (VRMS).

*2: Pressure width where effective voltage corresponds to the minimum speed or causes cut off operation

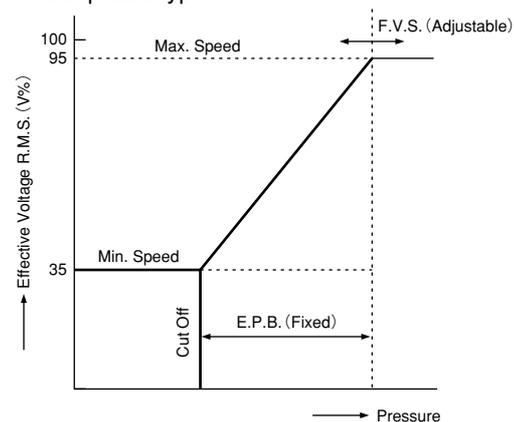
- Min. speed: Fan motor will be kept running at the specific value (V%) when pressure band increase more than E.P.B.
- Cut off: Fan motor will be stopped when pressure decrease to the specific value (V%) for R.M.S.
- For other pressure set values or min. speed/cut off set values, please contact us.

OPERATION

Single-phase type



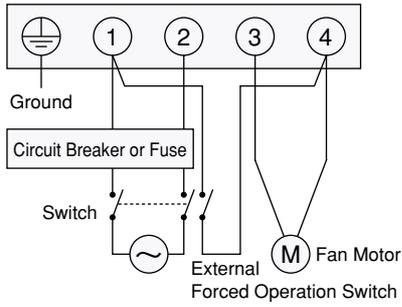
Three-phase type



The operating characteristic may vary according to the voltage, frequency, and fan motor characteristics.

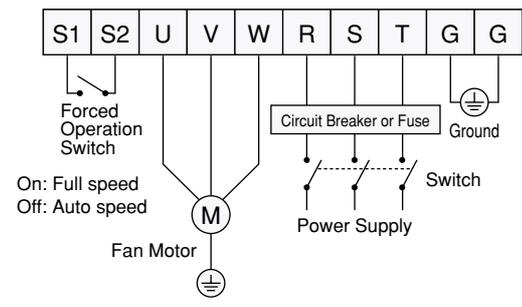
WIRING

Single-phase type



For external forced operation switch, contact us.

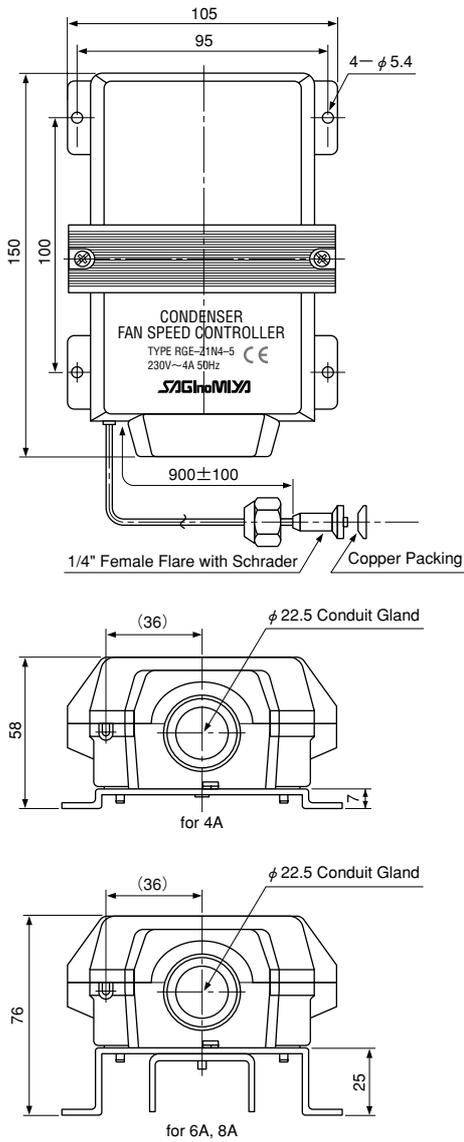
Three-phase type



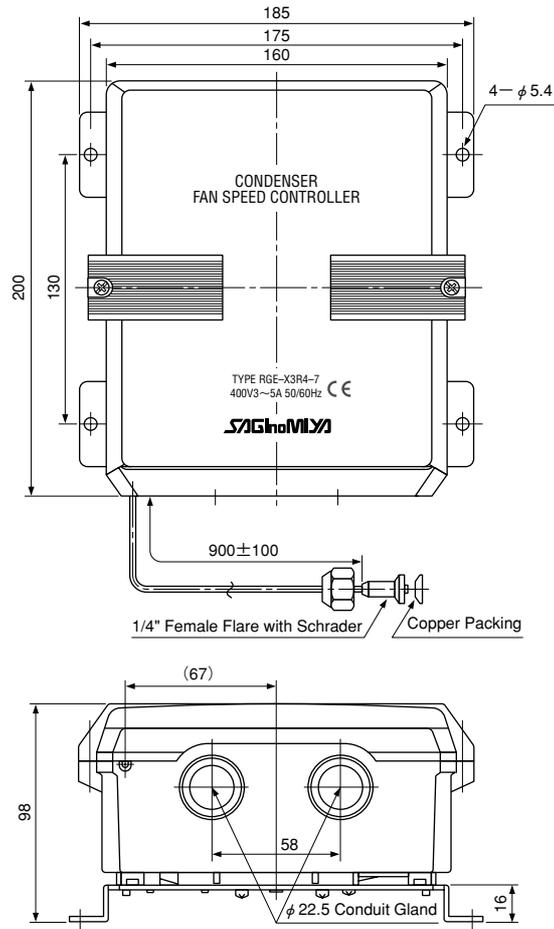
Use a forced operation switch with non-voltage contact signal.

DIMENSIONS

Single-phase type



Three-phase type



Unit: mm