

CAREL ELECTRONIC CONTROLLERS

FAN SPEED CONTROLLER

FCS - Power Board Slave 230V Single Phase

Airefrig Part Number	FCSM042300	FCSM082300	FCSM122300
Power Supply	230V	230V	230V
Control Signal	0 to 10Vdc		
Index of protection	IP00 (open board)		
Rated current	4A	8A	12A
Peak current	4 x r.current	3 x r.current	3 x r.current



FCS 1 ph

Controller pricing

Airefrig Part Number	FCSM042300	FCSM082300	FCSM122300
List Price - Ex GST	P.O.A.	\$303.27	\$369.60

FCS - Power Board Slave 415V Three Phase

Airefrig Part Number	FCS3064000	FCS3124000	FCS3204000	FCS3404010
Power Supply	415V	415V	415V	415V
Control Signal	0 to 10Vdc or PWM for			
Index of protection	IP55	IP55	IP55	IP20
Rated current	6A	12A	20A	40A
Peak current	3 x r.current	3 x r.current	3 x r.current	3 x r.current



FCS 3 ph IP55

Controller pricing

Airefrig Part Number	FCS3064000	FCS3124000	FCS3204000	FCS3404010
List Price - Ex GST	\$1,635.15	P.O.A.	\$2,569.59	\$3,387.24



FCS 3 ph IP20

FCP Stand Alone Electronic Fan Speed Controller

Airefrig Part Number	Description	List Price Ex GST
FCPM00A01K	Stand Alone Electronic Fan Speed Controller 8A, 230V kit with pressure sensor 0 to 34 Bar.	\$697.95



FAN SPEED CONTROLLERS - SAGINOMIYA

Saginomiya Fan Speed Controllers

Airefrig Part Number	*1 F.V.S Setting kPa			*2 EPB kpa	Refrig	Electrical AC 50Hz	Amps	Ambient Temp °C	Pressure Connections	List Price Ex GST
	Factory Set	Adj Range								
		Min	Max							
RGEZ1N45	1900	800	2800	400 Fixed Fixed @ 600kpa from 01.12.09	R22 R404A R407C	230 1PH	0.2 to 4.0	-20 to 55	Capillary 900 mm	\$350.70
RGEZ1N45MF									1/4 Male Flare	\$350.70
RGEZ1Q45									Capillary 900 mm	\$418.76
RGEZ1Q45MF									1/4 Male Flare	\$418.76
RGEX3R47	1600					415 3PH	0.2 to 5.0	-15 to 50	Capillary 900 mm	\$1,246.85
RGEZ1Q67	3200	1600	3900	800	R410A	230 1PH	0.2 to 8.0	-20 to 55	Capillary 900 mm	\$463.79
RGEX3R67						415 3PH	0.2 to 5.0	-15 to 50	Capillary 900 mm	\$1,209.36
XGE4MC7	1900	1000	2500	600	R22,404A 407C	230 1PH	0.2 to 3.0	-20 to 55	1/4 F/M Flare + Dep.	\$201.27
XGE6MC7	2800	2200	3900	700	R410A	230 1PH	0.2 to 3.0	-20 to 55	1/4 F/M Flare + Dep.	\$191.14

*1 F.V.S: (FULL VOLTAGE SET POINT)

The pressure at which the control delivers 95% output effective voltage R.M.S. (V%)

*2 E.P.B.: (EFFECTIVE PROPORTIONAL BAND)

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 values (V%) for R.M.S.

General Description:

- Suitable for controlling the condenser fan speed on refrigeration & air conditioning units.
- Keeps condensing pressures stable & constant throughout the year.
- Two selectable low speed operations are available:
 - Keep fan motor running at lowest speed
 - Turn fan motor off
- RGE enclosures are IP54 rated
- XGE enclosures are IP65 rated
- Maximum working pressure : 4.7Mpa
- Control Method: Phase control



XGE6MC7



RGEZ1N45

FLOW SWITCH - SAGINOMIYA

Saginomiya Flow Switches

Airefrig Part Number	Application	Connection Size	Paddle Sizes	Maximum Pressure kPa	Electrical Contacts	Allowable Fluid Temp °C	List Price Ex GST
FQSW30G	Drip Proof Enclosure	1" MPT	1" to 3"	980	SPDT	5 to 80	\$298.29
FQSU60G	General	1" MPT	1" to 6"	980	SPDT	5 to 80	\$260.64

Note: FQSU60G flow switch is supplied standard with an unfitted 6" paddle.

Specifications				
Part Number	Pipe Size	Paddle Qty	Min. Range	Max. Range
FQSW30G	80A	3B	100 L/min	225 L/min
FQSU60G	150A	3B	150 L/min	1700 L/min

