

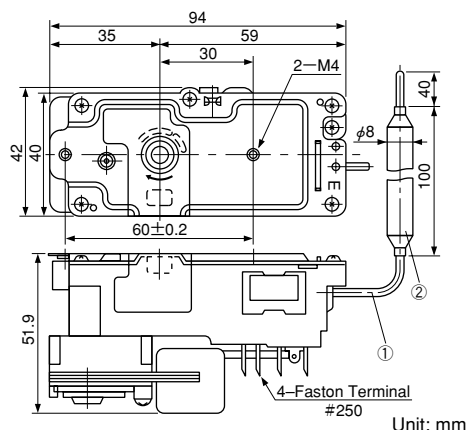
# DEFROST CONTROLS

## Type SFB & DDE

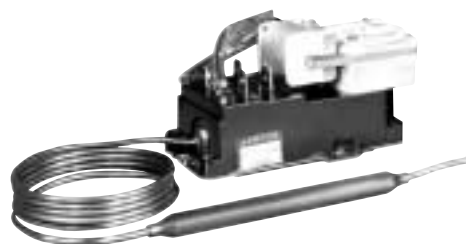
**SAGINOMIYA**

### TYPE SFB TIMER DEFROST THERMOSTAT

- Electro mechanical time and temperature defrost controller. Especially suitable for heat pump air conditioners.



Unit: mm



### TYPE NUMBER SELECTION (SPECIFICATIONS)

Unit: °C

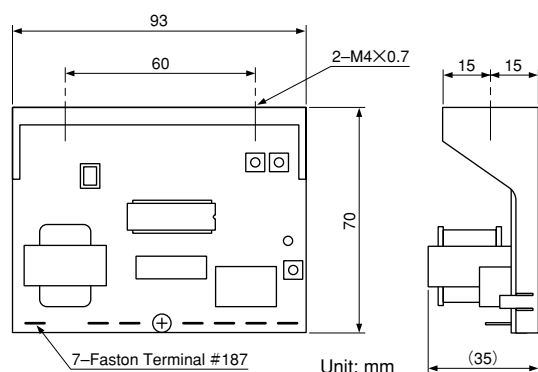
Catalog No.	Operation Temp.		Max. Allowable Temp.	Timer Coil Voltage (V. AC)	Time Cycle (min)		Time Safe (min)		Application	Wt. (kg)
	Defrost Start Temp.	Defrost Termination Temp.			50 Hz	60 Hz	50 Hz	60 Hz		
SFB-A201	-5	10	70	200	66	55	11	9.2	Heat Pump Air Con.	0.21
SFB-A301				220 to 240	33	27.5	10	8.3		
SFB-A351										

• Time cycle and time safe change at 50 and 60 Hz application. • Capillary tube ... 1000mm • Electrical ratings ... 125V. 5A (FLA)

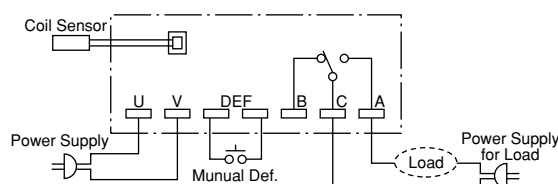
### TYPE DDE ELECTRONIC DEFROST CONTROLS

- Microprocessor based defrost controls for heat pump air conditioner and various refrigeration units.

CE mark applicable (available upon request)



Unit: mm



### TYPE NUMBER SELECTION (SPECIFICATIONS)

Unit: °C

Application	Catalog No.	Operating Temp.		Time Cycle	Time Safe	Volt (V)	Wt. (kg)
		Def. Init.	Def. Termi.				
Heat Pump	DDE-GBA1-101	-5	10	60 min.	10 min.	220	0.2
Heat Pump	DDE-LBA1-102			30 min.		240	
Display Case	DDE-GBB1-103		5	12 Hr.	50 min.	220	
Cold Room	DDE-KBB1-104	-3		6 Hr.	30 min.	230	

• Def. initiation temp. ... -15 to 5°C (factory set)  
 • Def. termination temp. ... 5 to 15°C (factory set)  
 • Time cycle ... 30, 40, 50, 60, 90, 120, 150, 180 min.  
 (field adjustable ... heat pump model)  
 2, 2.5, 3, 4, 6, 8, 12, 24 hrs  
 (field adjustable ... display case model)

• Time safe ... 10, 15, 20, 30, 40, 50, 60, 80 min.  
 (field adjustable for all models)  
 • Voltage ... 110, 120, 220, 230, 240 V. AC  
 • Contact capacity ... 5 Amp. at 250 V. AC  
 • Two sensor model ... Models with extra sensor for ambient temp. compensation are available.