

# LSACF02 Fan unit

DC 24 V DC fan unit

## ■ Summary



\*Power supply : DC 24 V

\*Ambient temperature : -5 to 60°C

## ■ Specification

ITEM		SPECIFICATION	
Rated speed		3,400 min <sup>-1</sup>	
Maximum air flow		1.2 m <sup>3</sup> /min	
Maximum static pressure		48 Pa	
Expected life time (Reference)		60,000 hr @ 60°C 120,000 hr @ 45°C 240,000 hr @ 30°C (There are the expectation predicted value at the fan ambient temperature.)	
Power supply		DC 24 V ±15% / 100 mA (1 unit) ⚠	
Sensor output	Normal	MAX +30 V DC (Fan outputs a square wave of one cycle in half rotation.)	
	Abnormal	Supply power loss	a contact OFF
		Fan rotation stopped	a contact ON (1 to 5 sec cycle square wave output, or, High output)
Environmental conditions	Module ambient temperature	(Operating) -20 to 70°C (Storage) -30 to 70°C	
	Module ambient humidity	(Operating / Storage) 20 to 85% RH (No condensation)	
Vibration		3.5 mm at 5 Hz to 8.4 Hz, 1 G at 8.4 Hz to 150 Hz	
Shock		15 G 11 ms	
Weight		0.4 kg	
Dimensions		150.5 mm (D) x 79.5 mm (H) x 104 mm (W) (Except projection)	
Standard/Directive		EN 61131-2:2007, IEC 61010-1:2010 (3rd Edition), RoHS	

⚠ Rated input DC 24 V 100 mA each. The max numbers of the fan unit which can be connected in series: 5

Note1) The fan unit shall be supplied from output of DC Power-supply complying with SELV of IEC 60950-1.

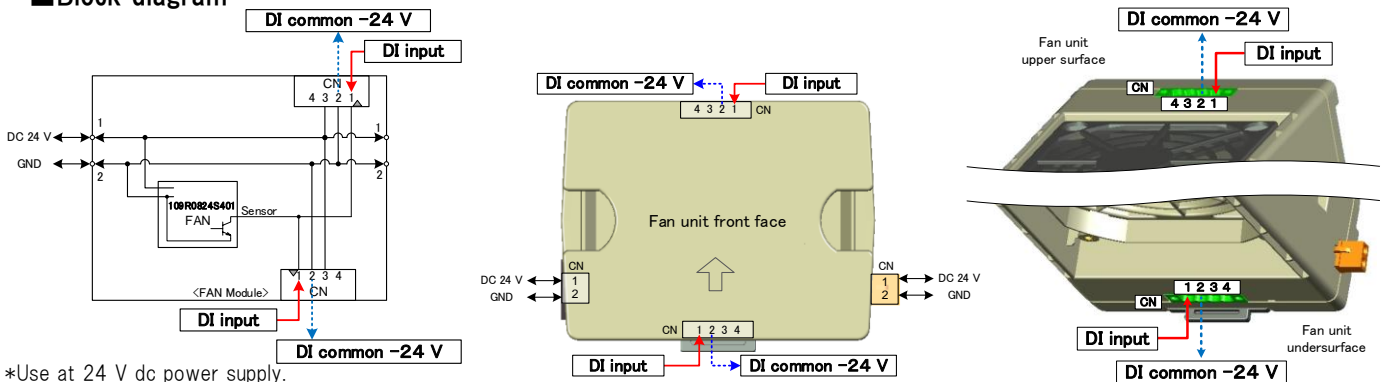
The fan unit input shall have overcurrent protection of up to 3.6 A.

Note2) Fault detection of fan, it is necessary to incorporate the 1ch by one pulse input to every fan.

Also, it is necessary to plan the logic to detect by using a change in the pulse count.

Fan parts of this product, have been certified based on EN 60950 by the German Technical Inspection Association TÜV Rheinland.

## ■ Block diagram



When using, please read the instruction manual attached to the product carefully and use it properly.

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