

CUSTOMER: 健帆生物

NO.:2021071403

DISTRIBUTOR: 健策
(PE48AA1)

APPROVE SHEET
[Compliance with RoHS]

PRODUCT: DC BRUSHLESS FAN

USER P/N: _____

Parts No.: JF0515H1EA0115HG3RBB

Printed model number on the stick: JF0515H1EABB

(SIGNATURE)



JAMICON GROUP
KAIMEI ELECTRONIC CORP

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APPROVED	CHECKED	DRAWN
		郝文姣 2021/07/14

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咨询工程师



Records of Revision

Part No.	JF0515H1EA0115HG3RBB	Customer:	健策-健帆生物
Rev	Revision Description		Date
A0	First edition		2021/07/14

JIAN 健策

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0755—23706799

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1. MECHANICAL:

1-01	Dimension	Dimension of fan shall be shown in the outline styling drawing attached.
1-02	Motor	Four-pole motor.
1-03	Frame	Plastic material UL 94V-0(P.B.T)
1-04	Impeller	Plastic material UL 94V-0(P.B.T)
1-05	Free drop shock	In minute package condition, the fan should withstand each one drop of three faces from 30cm distance height onto 10 mm thickness of wooden board.

2.ELECTRICAL:25℃/65%RH

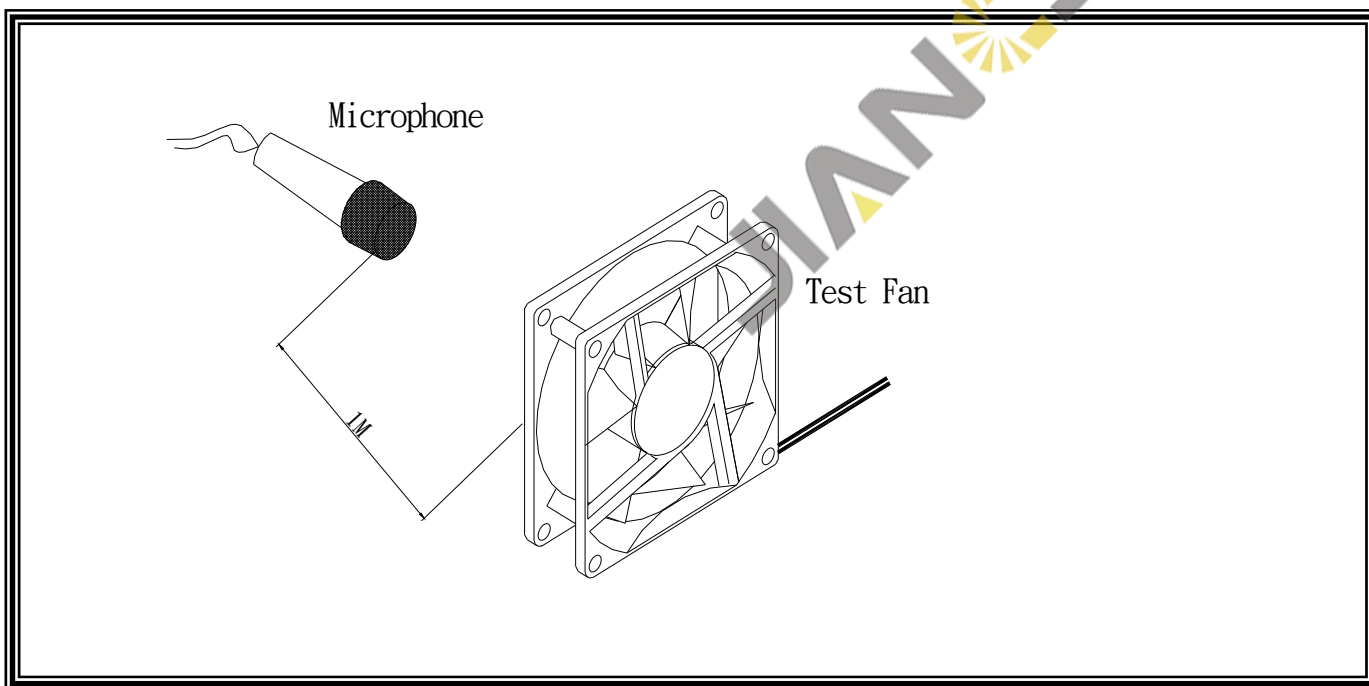
2-01	Rated current	Rated current shall be measured after 30 minutes continuous rotation at rated voltage.
2-02	Start voltage	The voltage that enable to start the fan by sudden switch on.
2-03	Rated Speed	Rated speed shall be measured after 30 minutes continuous rotation at rated voltage.
2-04	Input Power	Input power shall be measured after 30 minutes continuous rotation at rated voltage.
2-05	Lock Current	Locked current shall be measured Within one minute at rotor locked, after 30 minutes continuous rotation at rated voltage in clear air.
2-06	Insulation resistance	More than 10M ohm at 500 V.D.C between lead and housing.
2-07	Dielectric strength	Measured 5 mA(max) trip current at 700 V.A.C for 3 sec. between lead and housing.
2-08	Locked motor protection	Designed to meet UL, CUL and TUV.

DO NOT use power or ground PWM to control the fan speed.If the fan speed needs to be adjusted,please contact JAMICON to customize the product design for your application.



3.CHARACTERISTICS:

3-01	Air Flow & Static Pressure	The air flow data and static pressures should be determined in accordance with AMCA standard or DIN 24163 specification in a double- chamber testing with intake-side measurement.
3-02	Noise level	The measurement of noise level is carried out with reference to DIN 45635 in an echoic chamber with the microphone positioned 1 M from the air intake. Testing fan shall be hung in clean air.



4.ENVIRONMENTAL:

4-01	Operating temperature	-10℃ to 70℃ (ordinary humidity)
4-02	Storage Temperature	-40℃ to 70℃ (ordinary humidity)
4-03	Humidity	After 96 hrs, 95% RH 40±2℃ per MIL-STD-202F method 103B, Humidity test , The measured data of insulation resistance & dielectric strength should meet the specification listed in attach.
4-04	Thermal Shock	After thermal shock test per MIL-STD-202F method 107D, Condition D, The measured data of insulation resistance & dielectric strength should the specification.

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5.DATA-SHEET:

PARTS NO.: JF0515H1EA0115HG3RBB

SAP NO.: J0515H1EA0115HG3BB

5-1. SPECIFICATION:

NO.	ITEM	SPECIFICATION	UNIT	CONDITION
5-1-01	Dimension	50*50*15	mm	-----
5-1-02	Bearing	HTLS	-----	-----
5-1-03	Rated Voltage	12.0	VDC	-----
5-1-04	Operating Voltage	7.0~13.8	VDC	MAX. 13.8V
5-1-05	Start Voltage	7.0	VDC	On/off test max.
5-1-06	Speed	3800	R.P.M	±10%,At rated Speed
5-1-07	Input Current	0.08	Amp	At rated Voltage
5-1-08	Input Power	0.96	Watt	At rated Voltage
5-1-09	Nominal Current	0.12	Amp	At rated Voltage
5-1-10	Air Flow	11.03	CFM	At 0 static Pressure of Rated speed
5-1-11	Static Pressure	0.096	inchH ₂ O	At 0 air flow of rated speed
5-1-12	Noise	23.6	dBA	At rated speed
5-1-13	Life Expectancy(L10)	45,000	Hours	At 25°C (Bearing)
5-1-14	Motor protection	Electronic protected		
5-1-15	Polarity protection	It will not damage the fan while reverse input.		
5-1-16	Auto Restart	YES	-----	-----
5-1-17	Speed Signal output	NO	-----	-----
5-1-18	Alarm Signal output	YES (1)	-----	-----
5-1-19	Rotation direction	From the label side	-----	Clockwise
5-1-20	Weight	27	Gram	Per each piece
5-1-21	Safety Certificate	UL, CUL, TUV, CE	-----	-----

5-2. LEAD WIRE:

NO.	ITEM	SPECIFICATION			
5-2-01	AWG NO. & Authorize	26AWG, UL1061(The end of wire with tin as drawing)			
5-2-02	Color	—	+	Alarm	
		Black	Red	Yellow	
5-2-03	Line Length	300±10mm			
5-2-04	Connector	Notes as: Not available			
5-2-05	Tube	NO			

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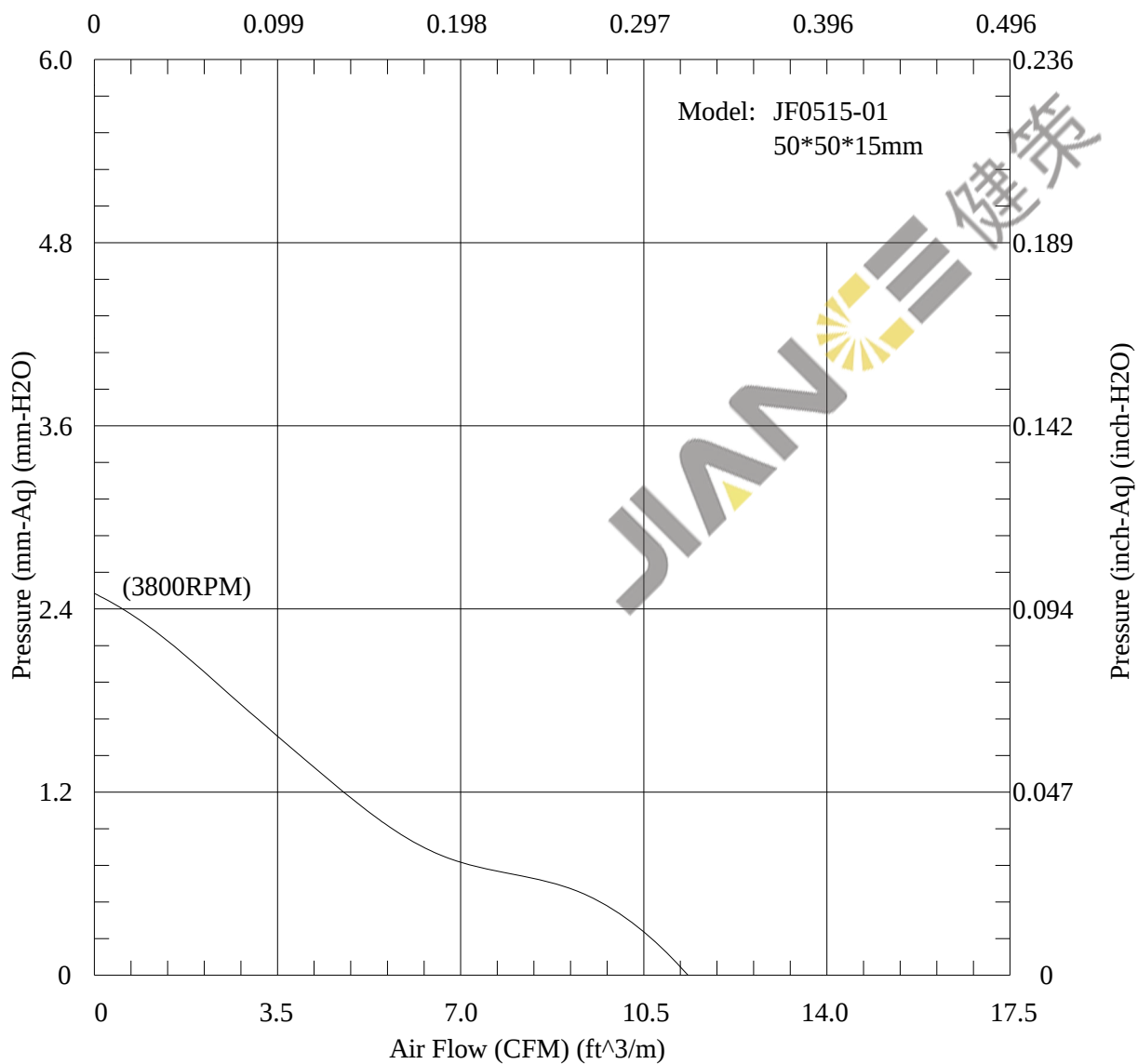
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FAN PERFORMANCE CURVES

Air Flow (CMM) (M³/m)



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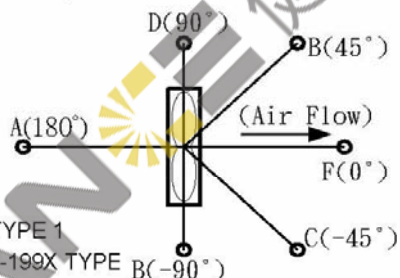
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風扇噪音性能測試報告 (The Test Report of Fan Noise)

風扇型號(Sample Type) **JF0515-01**
 基本規格(Properties) **DC 12 V 7 葉 4 極**
 測試日期(Test Date) **2008 年 08 月 28 日**
 測試編號(Tset No.) **003**
 測試設備(Test Equip) **B&K 2236**

Fulfil: IEC 651-1979 TYPE1 I IEC 804-1985 TYPE 1
 ANSI S1.4-1983 TYPE S1 ANSI S1.43-199X TYPE B



測試條件(Test Conditions)

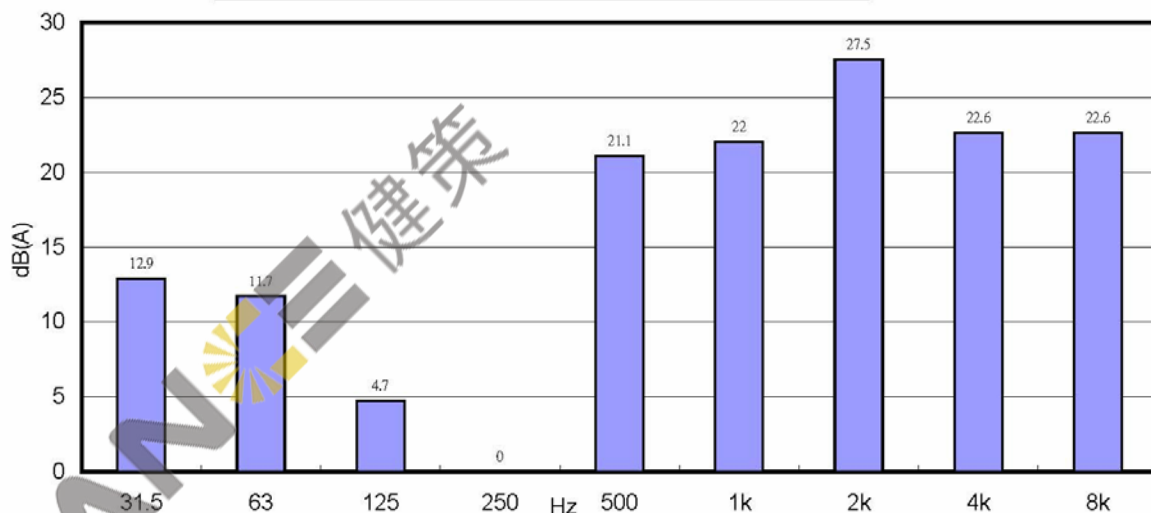
輸入電壓(Input Voltage) **12** V
 量測時間(Measuring Time) **20** Sec
 麥克風距離(Mic. Distance) **50** cm
 麥克風角度(Mic. Angle) **180°**
 頻域加權(Freq. Weighting) **A**
 時域加權(Time Weighting) **SLOW**
 背景噪音(Background Noise) **15.0** dB(A)
 溫度(Temperature) **28.8** °C
 相對濕度(Relative Humidity) **69.0** %

測試結果(Test Results)

電壓(Passing Voltage)
 電流(Electric Current)
 消耗功率(Power Dissipation)
 轉速(Rotation Speed) **3800** RPM
 均能聲壓位準(Time-averaged SPL, Leq) (依據CNS 8753)
 量測點(At Meas. Point) **23.60** dB(A)
 1米處(At 1m Point) **23.60** dB(A)
 最大聲壓位準(MaxL) **24.20** dB(A)
 最小聲壓位準(MinL) **22.70** dB(A)

聲壓位準頻譜圖(Sound Pressure Level Octave-Band Spectrum)

頻率(Hz)	31.5	63	125	250	500	1k	2k	4k	8k
dB(A)	12.9	11.7	4.7	0	21.1	22	27.5	22.6	22.6



簽核人員: _____

操作人員: 4156

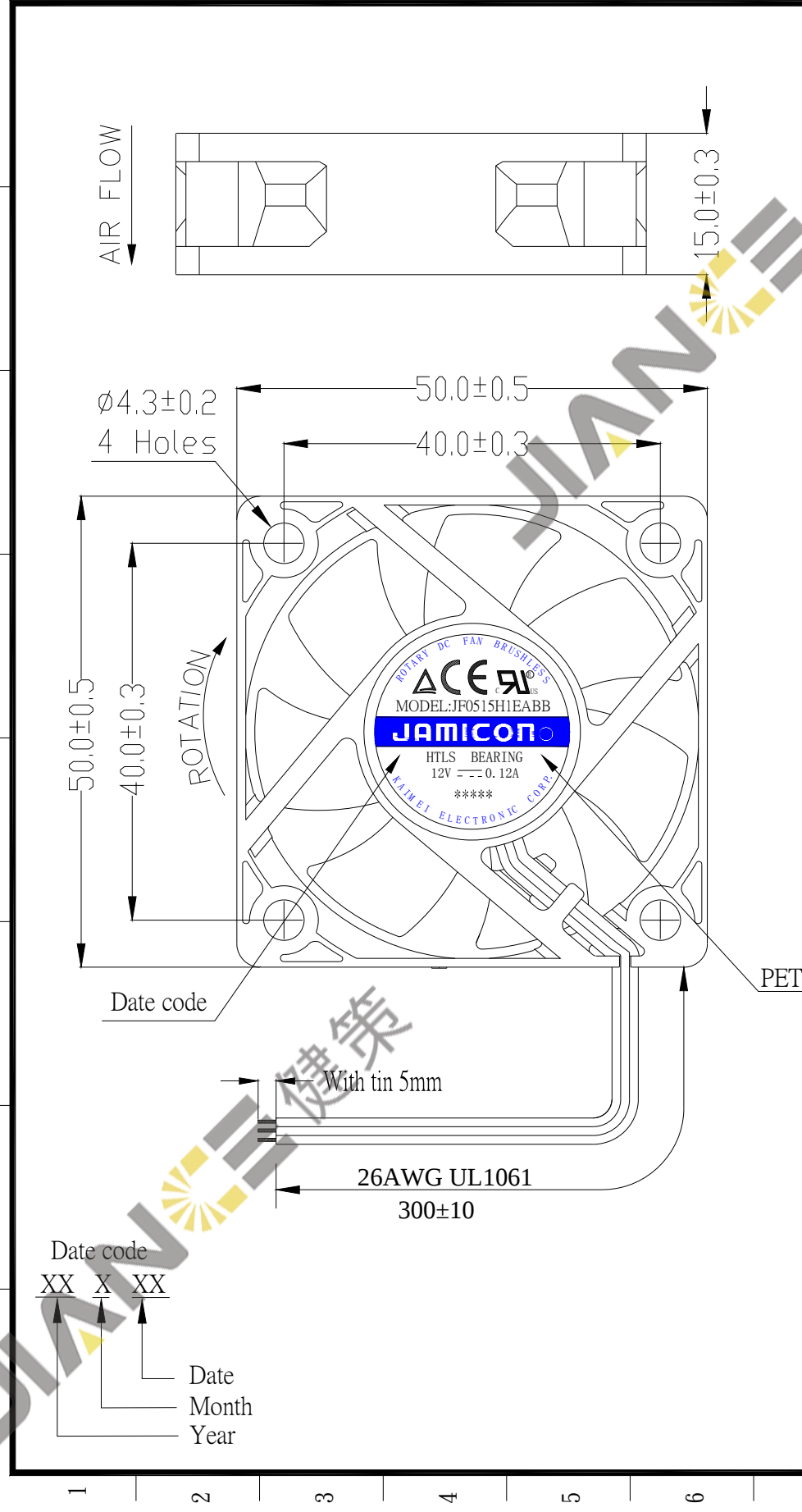
系統開發(Developer) 工業技術研究院機械工業研究所(MIRL/ITRI)

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A B C D E F G H



SCALE	PRODUCT	UNIT
	APPEARANCE OF FAN	mm
	SAP NO.	J0515H1EA0115HG3RBB
	DWG. NO.	JF0515H1EA0115HG3RBB

REV.	DESCRIPTION	DESIGN	DATE
0		郝文蛟	2021/07/14

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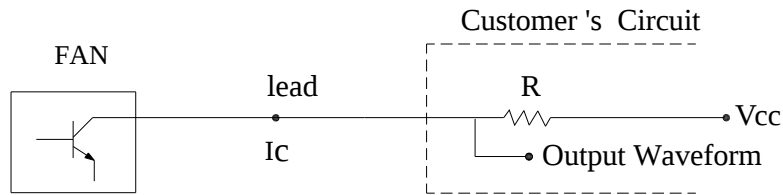
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Auto restart/Alarm signal (Type B)

.Diagram:



Please select R so that $I_c < 10 \text{ mA}$

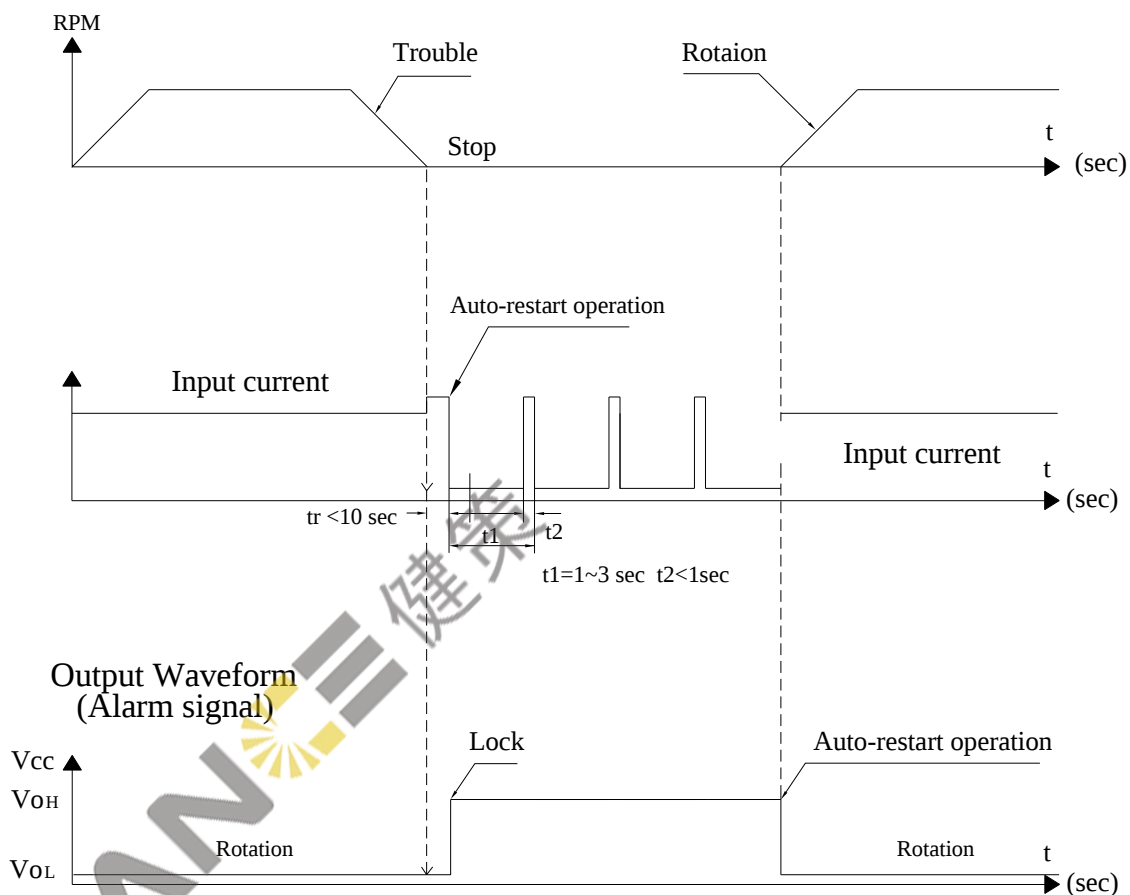
Where
Rated Voltage: 5V
 V_{cc} : 7V max

Where
Rated Voltage: 24V
 V_{cc} : 28V max

Where
Rated Voltage: 12V
 V_{cc} : 16V max

Where
Rated Voltage: 48V
 V_{cc} : 60V max

Type B of signal



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