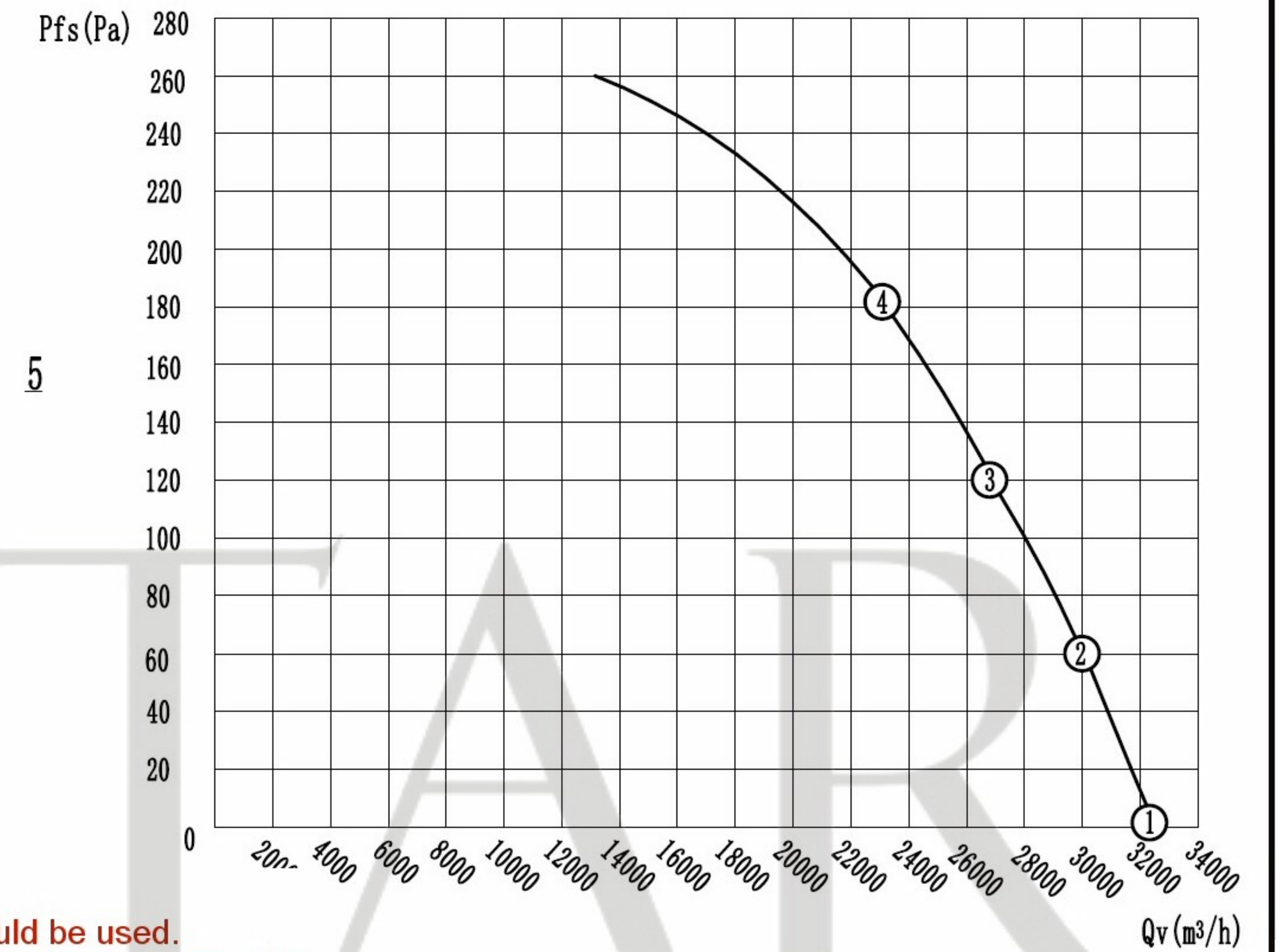


Performance curve

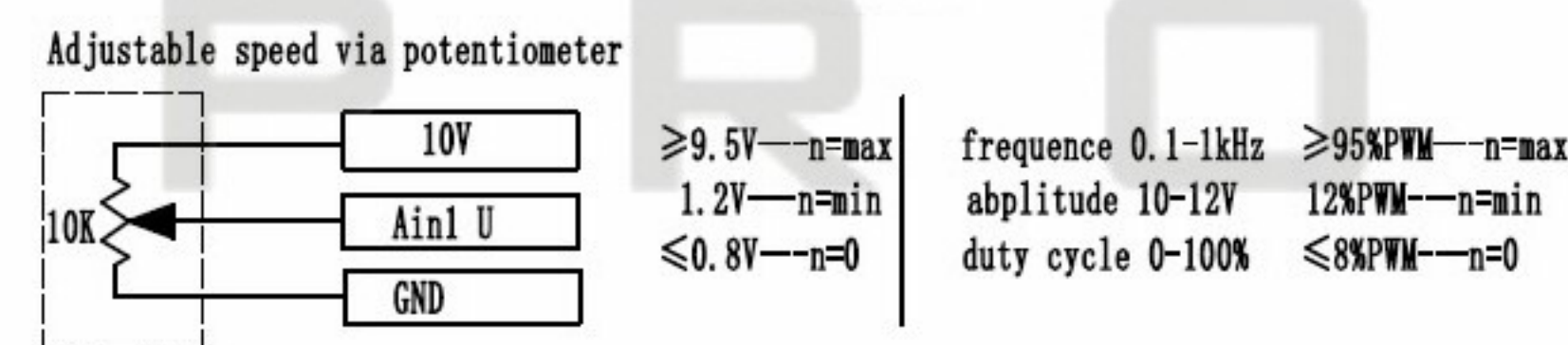
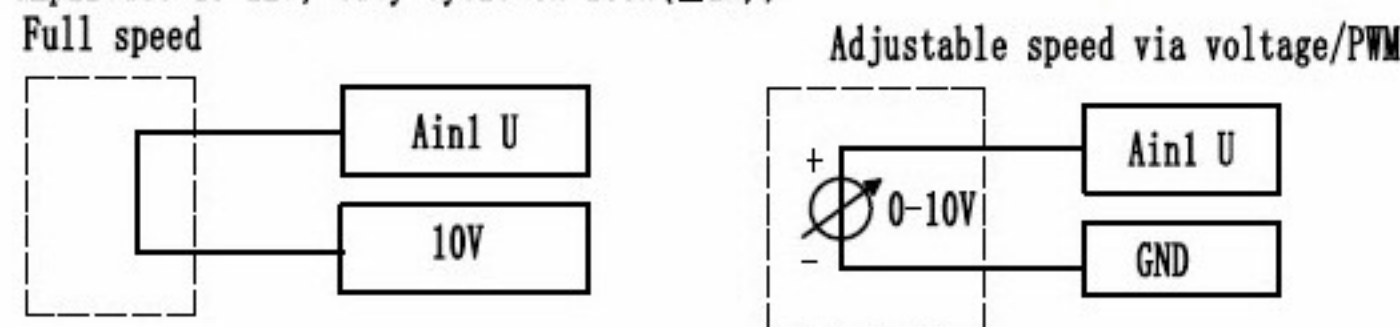


If this product is installed outside some form of weather shielding should be used. The product will resist water splashing from any direction for a limited period.

Measured values

	Pfs (Pa)	Current input (A) ±10%	Power input (W) ±10%	Speed (r/min) ±5%	Airflow (m³/h) ±10%	Note
①	0	2.99	1770	1000	32190	
②	60	3.43	2037	1000	29949	
③	120	3.91	2337	1000	26997	
④	182	4.30	2600	1000	23779	MAX. EFF

1. Input voltage for regulating speed 0-10VDC(±0.2V) or PWM Control, PWM Frequency 0.1k-1kHz, amplitude 10-12V, duty cycle 0%-100%(±2%); Full speed



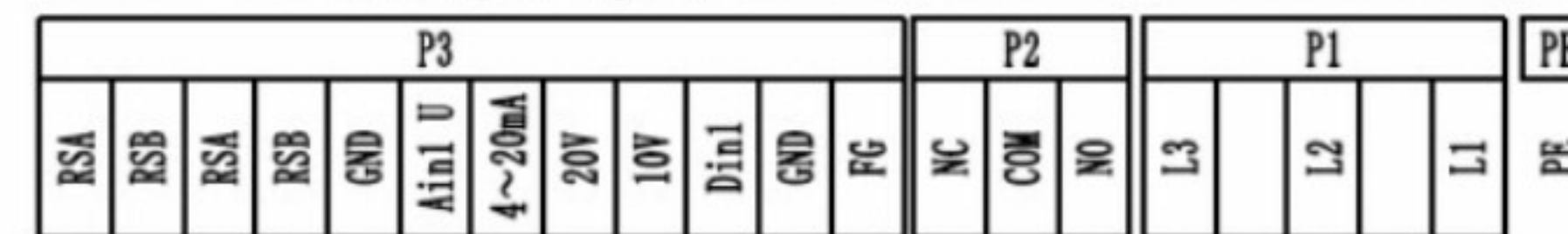
2. Input current for regulating speed 4-20mA(±0.2mA)/DC Control: Adjustable speed via current



3. RS485 telecommunication input control:

Through RS485 communication and using MODBUS protocol, one host computer can control multiple fans at the same time; the host computer can control the start and stop of the fans and set the fan speed; at the same time, the fan feedbacks status information to the host computer; speed or fault status.

Wiring diagram



NO.	Signal	Assignment/Function	NO.	Signal	Assignment/Function
PE	PE	Protect earthing, ground	RSA	Bus RS485; RSA; MODBUS RTU	
	L3	AC power in, voltage input 3~380-480V; 50/60Hz	RSB	Bus RS485; RSB; MODBUS RTU	
P1	L2	AC power in, voltage input 3~380-480V; 50/60Hz	GND	interface P3 for signal control, ground	
	L1	AC power in, voltage input 3~380-480V; 50/60Hz	Ain1 U	Controller input 0~10VDC	
			4~20mA	Analogue Control input 4~20mA	
	NO	State relay, alterable state contact; normally turn-on; turn-off when error	P3	20V	Rated voltage output 20VDC (±10% max. 50mA)
			10V	Rated voltage output 10VDC (±10% max. 10mA)	
P2	COM	State relay, universal connectivity; contact rating 250VAC/2A	PG	Speed Signal Feedback	
				Connection of Digital input 1 enabling of electronics enabling:	
	NC	State relay, normally turn-off; turn-on when error	Din1	opening pin or applied voltage 5-50V DC;	
				disabling: bridge to GND or applied voltage < 1V DC	

Nameplate:

Pole Star Products Ltd 3~400V 50/60Hz
 1771W 2.99A 1000r/min @0 Pa CL.F IP54
 ERP2015 N=49.8(A,static) 2023/01

SPECIFICATION	ERP2015 N=49.8(A,static) 2023/01				
Motor	3ph	Speed (RPM)	1000	Bearings	Ball
Voltage (V)	380 ~ 480	Motor Protection	Th.Prot.	Weight (Kg)	
Frequency (Hz)	50/60	Insulation Class	F	Noise dB(A)	78
Power In (W)	2600	Protection Class	IP54	Material of Fan Blade	Plastic
Current (A)	4.3	Capacitor (MF)			

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Product Code	GMA3-900S-EC
Projection Angle	A4
±3°	Scale:
	Sheet: 1 of