

AVAILABLE FEATURES INDEX

To add a feature to a fan, replace the fan part suffix "x" with the feature # shown below (e.g. part#C4020H12BPLBx-7 with feature "2a" = C4020H12BPLB2a).

#	Abr.	Feature Name	Feature Description	Wire Color
1a	IR	Inrush Current Protection	At Start up the current is applied gradually (soft start).	No external wire
1b	AS	Auto Restart	The current is reduced to zero when the fan is blocked and the fan is attempting to restart every few seconds.	No external wire
1c	MS	Manual Restart	The current is reduced to zero when the fan is blocked. To restart the fan the power must be turned "off" and "on" again.	No external wire
2a	FG	Frequency Generator (tachometer)	An output signal is provided in order to monitor the fan speed.	Yellow wire
2b	RD	Rotation Detection	LOW Output signal indicates: fan is rotating	Gray wire
2c	RDb	Complement of RD	HIGH Output signal indicates: fan is rotating.	Violet wire
2d	LD	Life Detection	HIGH Output signal indicates: RPM is <70% of rated (indicates aging of the fan).	Brown wire
3	SG/PWM	Stop/Go Pulse Width Modulation	PWM input logic signal can change fan speed from 0 to max. (typical frequency:300Hz).	Blue wire
4	OV	Over Voltage Protection	Fan is protected if the applied voltage is up to twice the rated operating voltage.	No external wire
5a	TPWM	Automatic Temperature Control	The fan speed is controlled by temperature sensed by a Thermistor (NTC).	Orange + White wire
5b	RPWM	Manual Variable Resistor Control	The fan speed is controlled by manually varying the external resistor.	Green wire
6	CL	Current Limit Control	The current is limited during the Auto Restart Mode.	No external wire
7	CS	Constant Speed	The fan speed is independent of the power supply voltage changing within the operating voltage change.	Orange+White wire
7a	CS	Fixed Constant Speed	The maximum fan speed is the rated speed for higher than the rated voltage (factory preset).	No external wire
7b	CS	Programmable Constant Speed	The desired maximum fan speed can be selected externally.	No external wire
8a	VPWM	DC Voltage Signal Control	The fan speed is controlled by applying a DC Voltage signal.	White wire
8b	IPWM	DC Current Signal Control	The fan speed is controlled by applying a DC current signal (e.g. 4 to 20mA).	White wire
8c	PPWM	Pulse Width Modulation Control	The fan speed is controlled by applying a PWM signal with frequency from 30HZ to 30 KHz.	Blue wire



FAN SIZES (mm)	Feature Codes						FAN SIZES (in)
	C	R	D	G	P	K	
25 x 10	1b,2a						0.98 x 0.39
30 x 10	1b,2a						1.18 x 0.39
40 x 10	1b,2a,2b		1b,2a,2b				1.57 x 0.39
40 x 20	1a,1b,2a,2b,2c,2d,3,5a,5b,6,7,8a,8b,8c		1b,2a,2b				1.57 x 0.79
40 x 28			1a,1b,2a,2b,5a,5b,8a,8b,8c				1.57 x 1.10
50 x 10	1b,2a,2b,2c		1b,2a,2b				1.97 x 0.39
50 x 15	1b,2a,2b,2c		1b,2a,2b				1.97 x 0.59
60 x 10	1b,2a,2b,2c		1b,2a,2b				2.36 x 0.39
60 x 20	1b,2a,2b,2c	1a,1b,2a,2b,2c,2d,3,4,5a,5b,6,7,8a,8b,8c	1a,1b,2a,2b,2c,2d,3,4,5a,5b,6,7,8a,8b				2.36 x 0.79
60 x 25	1a,1b,2a,2b,2c	1a,1b,2a,2b,2c,2d,3,4,5a,5b,6,7,8a,8b,8c	1a,1b,2a,2b,2c,2d,3,4,5a,5b,6,7,8a,8b,8c				2.36 x 0.98
70 x 25	1b,2a,2b,2c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c				2.76 x 0.98
80 x 15	1b,2a,2b,2c	1a,1b,2a,2b,2c,2d,4,5a,5b	1a,1b,2a,2b,2c,2d,4,5a,5b				3.15 x 0.59
80 x 25	1b,2a,2b,2c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c				3.15 x 0.98
80 x 38		1a,1b,2a,2b,2c,2d,7				1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	3.15 x 1.50
92 x 25	1b,2a,2b,2c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b				3.62 x 0.98
92 x 32		1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c		1a,1b,2a,2b,2c,2d,4,6,7	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c		3.62 x 1.26
92 x 38		1a,1b,2a,2b,2c,2d,7				1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	3.62 x 1.50
120 x 25		1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c		1a,1b,2a,2b,2c,2d,4,6,7	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	4.72 x 0.98
120 x 32		1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c		1a,1b,2a,2b,2c,2d,4,6,7	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	4.72 x 1.26
120 x 38		1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c		1a,1b,2a,2b,2c,2d,4,6,7	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c	4.72 x 1.50
172 x 51				1a,1b,2a,2b,2c,2d,4,6,7	1a,1b,2a,2b,2c,2d,4,5a,5b,6,7,8a,8b,8c		6.77 x 2.01