DC2E PROGRAMMABLE CONTROLLER

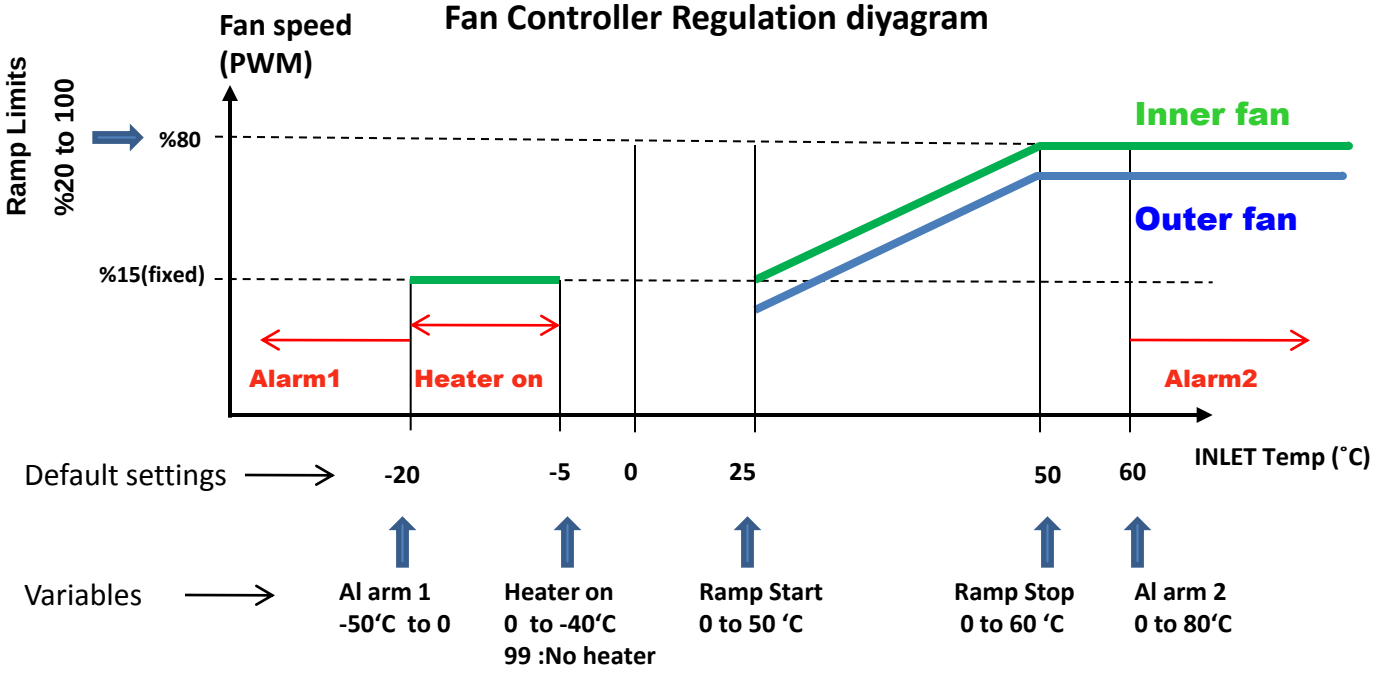
The Coolhex Control series DC2E is a line of off-thee self programmable controllers from ALNET for thermal management and fan speed control of DC fans. It monitors two 4-wire DC fans and generates alarm in the event of a fan failure or over temperature. Programmable set points in software to meet precise airflow and temperature rrequirements



DC2E

SPECIFICATIONS

* Accepts two fans (option: four fans)
* Monitors speed of 4-wire fans
* Simultaneously controls each fans
* Ethernet communication interfaces
* Remote and Field configurable controller
* Programmable alarm thresholds & fan curve
* Dry contact alarm output
* Power & Alarm LEDs with external connections
* Isolated Fan and Logic power domains
* Fan failure detection and prediction
* Board can pass up to 6A continuously to fans
* 12V to 65V input voltage range with no modifications
* 25KHz PWM signal for 4-wire fan control
*1 onboard high precison thermistors
* Fans controlled using inlet temperature
* Over temperature alarm fan control
* Low temperature fan shutoff with hysteresis turn on
* Predictive and total fan failure detection
* Has built in ethernet communication.
* I2C is 3.3 V TTL
* Open collector alarm output
* On board power and alarm LEDs that are visible through the front panel.
* EEPROM saves all configurations and restores the system during the next power cycle
* Mac adressed system with 80 port



ALARM1:	ALARM ON ALARM LED ON HEATER OFF FAN1 OFF FAN2 OFF	ALARM2:	ALARM ON ALARM LED ON HEATER OFF FAN1 MAX SPEED FAN2 MAX SPEED

Web adress for testing : http://95.6.12.56:81/ password : 1234

Alnet Fan Controller

Refresh _Hw. Monitor_ _Network_ _Settings_ _Exit_

Fan		
Ramp Lim. %15 -	80	Save
Ramp Start (+)	25	Save
Ramp Stop (+)	50	Save
Heater On = (-)	5	Save
Min. Lim. Temp <= (-)	20	Save
Max. Lim. Temp >= (+)	60	Save

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Default settings

Alnet Fan Controller

Refresh _Hw. Monitor_ _Network_ _Settings_ _Exit_

Hardware Monitor	
Temparature C°	20.6
Inner Fan Pwm %	0
Outer Fan Pwm %	0
Heater Status	OFF
Alarm Status	OFF
Hardware Fequency Mhz	40
Software Ver.	1.B.16
Alarm Message	NO MESSAGE
Last Alarm	0

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Monitoring

You can create the own curve with 6 settings values.