

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 requirements

SPECIFICATIONS

- * Accepts two fans (option: four fans)
- * Monitors speed of 2-wire fans
- * Simultaneously controls each fans
- * Ethernet communication interfaces
- * Remote and Field configurable controller
- * Programmable alarm thresholds & fan curve
- * 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 precision 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
- * EEPROM saves all configurations and restores the system during the next power cycle
- Mac adressed system with 80 port
- Option SNMP service



DC2E2

DC2E2_02 CONTROLLER



ETHERNET INPUT

DC IN 48V 5A

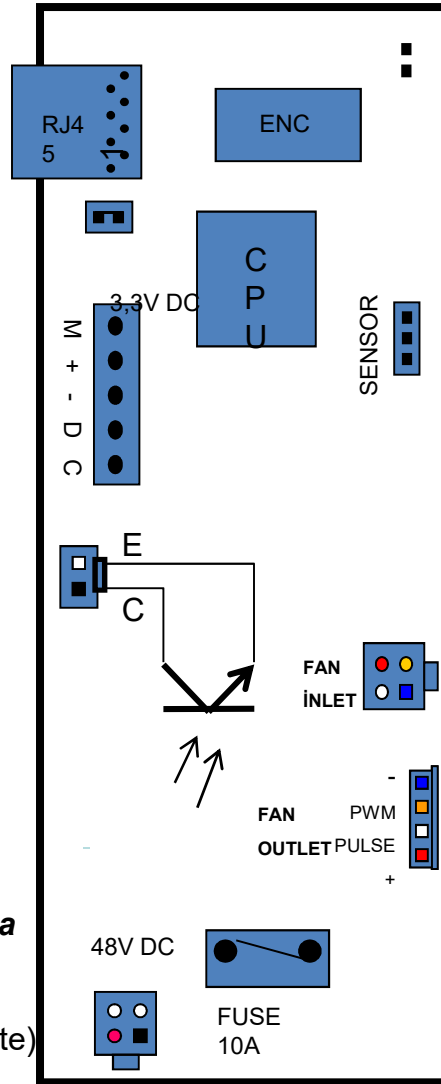
- (Thick black)

+ (Thick red)

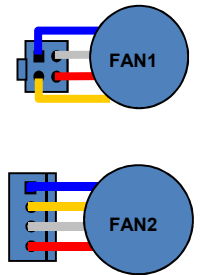
ALARM OUT 70V 50ma

EMITTER (Thin black)

COLLECTOR (Thin White)



PCBA



FRONT
PANEL

For factory settings, press reset button and apply power to controller, when the LED flashing stops than open

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Ver 3B-17