AC2F2 CONTROLLER

The Coolhex Control series AC2F is a factory programmable controllers from ALNET for thermal management and fan speed control of AC fans. It monitors two 4-wire AC 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

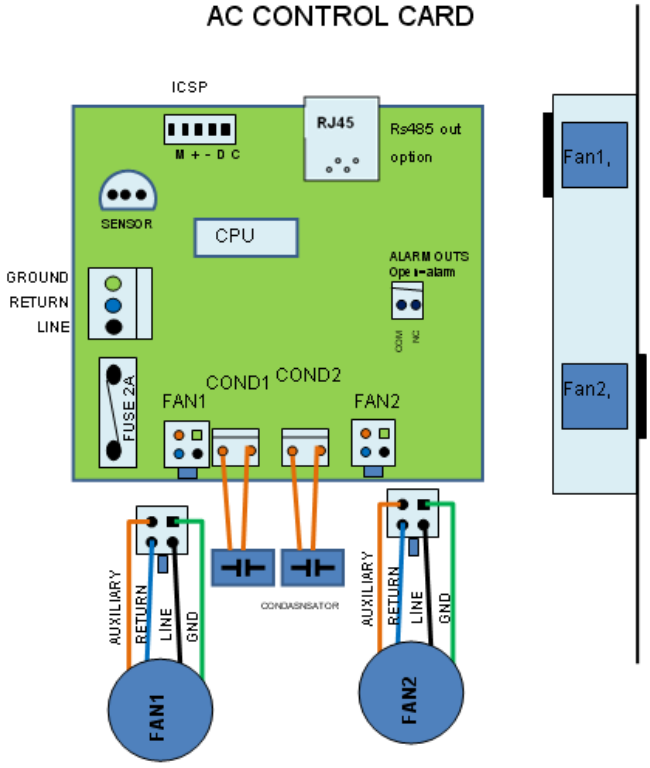
SPECIFICATIONS

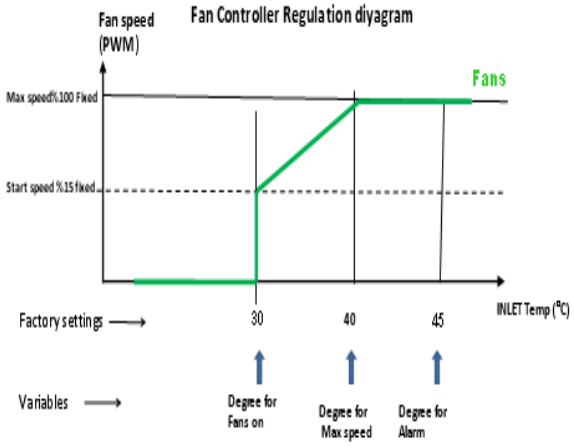
* Accepts two fans
* Monitors speed of 4-wire fans
•Simultaneously controls each fans
* Programmable alarm thresholds & fan curve
* Dry contact alarm output
* 230V input voltage
* 25KHz PWM signal for 4-wire fan control
*1 onboard high precison therrmistors
* Fans controlled using inlet temperature
* Over temperature alarm fan control
•Low temperature fan shutoff with hysteresis turn on
* I2C is 5V TTL
•relay alarm output
Open=alarm
Close = normal



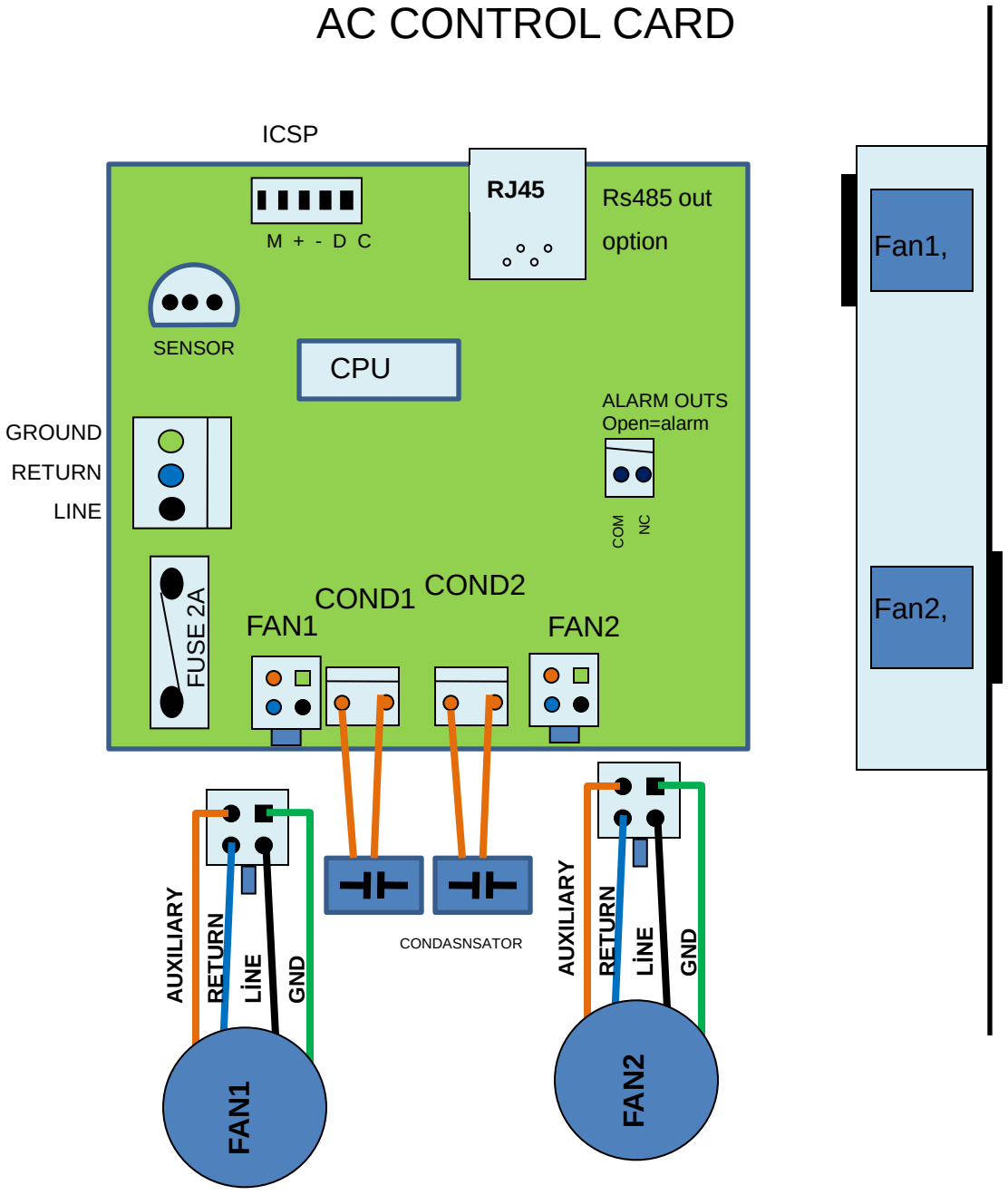
AC2F2 Fan CONTROLLER

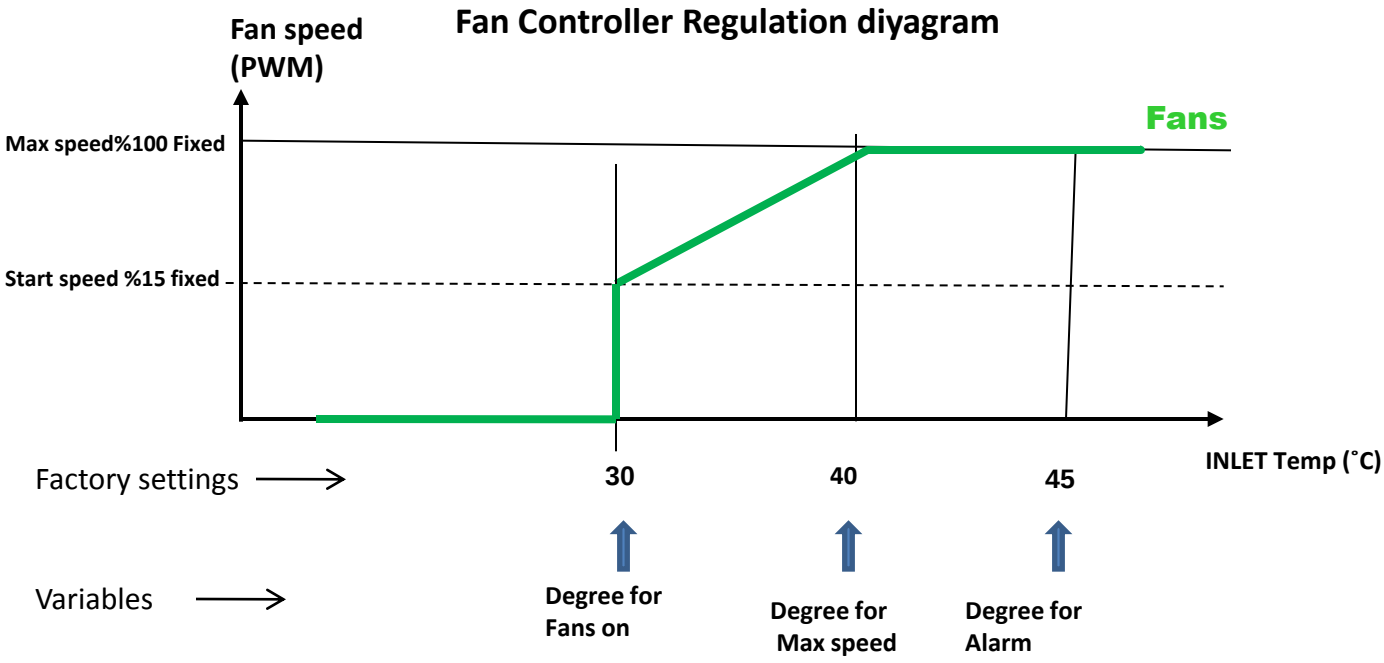
AC CONTROL CARD





AC CONTROL CARD




Fan Controller Regulation diyagram
Fan speed
(PWM)
Fans
Max speed%100 Fixed
Start speed %15 fixed
INLET Temp (˚C)
Factory settings
30
40
45
Variables
Degree for
Fans on
Degree for
Max speed
Degree for
Alarm