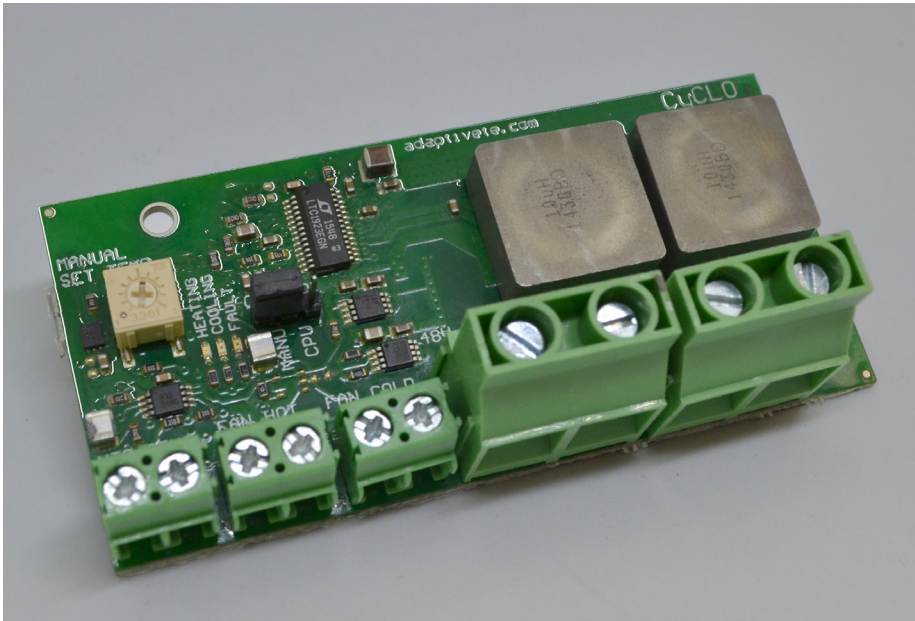


Adaptive CYCLO Controller

ADC-48-450-U



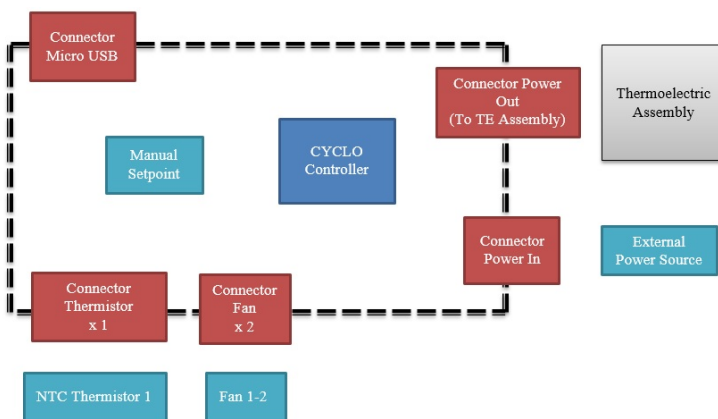
Features

- High efficiency load driver
- Cost effective NTC sensor input
- Hot and cold side fan outputs
- Manual setpoint for quick installation
- USB 2.0 communication
- Visual feedback (Heating/Cooling/Alarm)

Description

The Adaptive CYCLO is a servo controlled pulse width modulator (PWM), intended for thermoelectric cooler or heater applications that require a uni or a bidirectional drive source for accurate temperature control. The controller is capable of operating in a standalone mode, it is also supported by user-friendly PC software. The controller is targeting applications where easy deployment is a requirement.

System Architecture



PC software

- Download the user-friendly PC software from: adaptivete.com/downloads

For more information visit: www.adaptivete.com



Adaptive CYCLO Controller

ADC – 48 – 450 - U

Typical specifications

Input voltage range	11V - 48V DC
Maximum load	15A or 450W
Control temperature	0°C to +50°C
Operating temperature	-25°C to 85°C
Compatible fans	2 wire fans
Fan output voltage range	11V - 48V DC
Sensor type	NTC 10k
Communication interface	USB
Temperature Control Accuracy	+/- 1°C
Protection	Overcurrent, Undervoltage lockout, Fuse, Sensor Fault

Further information

- Application type - Fans & thermal management
- Application sub type - Electronics heating & cooling
- Contents: 1x controller board

Adaptive Thermal Controllers - Part Numbers

ADC= Adaptive CYCLO Controller

48 = Voltage

450 = Wattage

Connection type

U – USB connection

Suffix

No additional number - standard

Additional number : 001 – 999 – custom option

For more information visit: www.adaptivete.com

