

# Closed Loop Controllers

## CL 3500 Series

### KEY SPECIFICATIONS

- ⇒ Nominal switching hysteresis, typically: 3°F
- ⇒ Flanges extend .5" per side. .200" diameter mounting holes in flanges, 3" OC
- ⇒ Physical data: Square body: 2.5" X 2.5" X 1"
- ⇒ Operating voltage: 5 to 24 volts DC
- ⇒ Operating current: 10 amp maximum
- ⇒ Thermistor accuracy: +/- .5 F
- ⇒ Thermistor range: -20 F to +250 F



Turbo Flex's CL 3500 thermal controller provides easy-to-use heater control using single-button adjustment to advance by pre-set increments. Ideal for OEM's that do not have sophisticated thermal control requirements, engineers and product developers who are experimenting with thermal requirements of their design.

The controller utilizes the input power of the heater without the need for a separate power supply. Output power to the heater will shift from full power during ramp-up to PWM (Pulse Width Modulation) during its hold state.

The CL 3500 is custom-programmed at TurboFlex with six specific temperature settings defined by the customer. Customers order online and will be prompted to add the temperature settings within the shopping cart.

- One-touch single button advances settings in pre-set increments
- One sensor included
- Phillips head terminal block bare wire attachment (power input, mounting hardware and power output lines not included)
- LED setting flashes during thermal ramp-up
- Last setting is restored if input power is interrupted
- Output power is suspended if thermistor is not connected
- It is recommended that supplemental thermal overload protection (thermal fuse) be incorporated.



*Two-Year Limited Warranty: Purchasers are responsible to determine the fitness of use, the model selection and the application of TurboFlex products. Above claims are general performance guidelines only. TurboFlex's sole responsibility under this warranty, at TurboFlex's option, is limited to replacement or repair, with the purchaser responsible for the cost of shipping for service. No claims will be allowed for direct or indirect damages beyond this product.*