Adinath Controls Pvt Ltd.

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THE TEMPERATURE CONTROLLER COMPANY

About us

The year was 1987, Nitin Desai MSEE, USA along with dedicated team of technocrats, with years of related experience gave firm shape to a company. The field Manufacturing and Marketing of Auto tune PID Temperature Controllers, Temp Indicators, SCR Power Controllers & Temperature sensors like Thermocouples & RTDs also Control panels as per customer requirement.

To keep pace with International technological developments company entered into a collaboration with Athena Controls Inc, USA Thus came into existence Athena Controls (India) Pvt.Ltd. - An Inductotherm Group company. In line with the philosophy of our collaborator, we believes in service oriented marketing. We also believe in the theory of "Total Access" you have access to talk to any of us whenever you need the right guidance for the temp. control application. Business restructuring has led to a change in name of the company to Adinath Controls Pvt. Ltd. The rest is quality assured.

Welcome

Welcome to Adinath Control

Since 1989 we provide total solution for Temperature, Power control & related accessories like sensors, Heaters, SSRs, SCR controllers. Also Control Panels as per requirement. We also invite your questions and input regarding your current application needs to ensure selection of the right temperature or process controller for your specific needs. Assuring you our best services & quality.

Adinath

Temperature Controller

ATHENA USA Auto tune PID
Temperature & Process Controllers.

Input & Output :
Universal Panel /Din rail mounting and Custom design control boards

Communication Ports :
RS485 Modbus RTU/ USB/ Ethernet

Optional :
Windows based data logging softwares

C series :
One program of 8 pair Ramp/soak profile with windows based software
we offer unlimited number of program with unlimited steps.

Foundation series :
Single/ Three Loop PID Temperature / process control with expansion
module facility up to four modules.
Support Master-Slave application
Display on HMI / PC through Software / Our Display board with cable

P Series :
Advance PID controller with inbuilt data recording facility
Ramp /Soak program & Soft start
4 Input with 2 PID control loops
3.5inch TFT color screen
Digital/ Analog setpoint retransmission

Approvals :
to check on website

Temperature Controller

Adinath ADU series

- Auto tune PID Controller with Universal output
- 2 Program with 12 segment
- Control output off timer

  - TX Power 17V, 30mA
  - Rs485 Modbus Interface

Temperature Controller

Adinath Low cost Series

- 3Digit BI series - Fix Input Fix output
- 4Digit TE Series – Universal Input with factory set output
- Fuzzy PID / On/off Control output selectable

Temperature Indicator

Temperature / Process Indicator

- Universal Input Temperature Indicator
- Alarm relay
- Transmitter power supply
- RS485 Communication

Adinath

ATHENA USA
Hot Runner Temperature Controllers

Modular Series Models : RMA, RMB, RMC, IMP
New RMX model with LCD Display
RMT Model is dual zone you can control with single module
- **Capacity :** 15A, 3600 watt @ 240VAC
- **Input :** J/K type thermocouple selectable
- Soft start, Ground fault protection
- Switch to manual %, Off or last % of output on open thermocouple

RMB/3/6/12
- Economical series with Single LCD Display
- 15 Amp, 240VAC per zone

BEDROS
- 8 to 32 zone with single touch screen Display
- USB or Ethernet communication
- GFI protection
- Mold recipe storage capability

When you need technical help for temperature sensing give us a call.
We manufacture all kinds of Temperature sensors like Thermocouples, RTDs.

Our elements meets accuracy standards as defined by many technical societies like ANSI MC96.1. and Temperature-E.M.F. table ITS-90. We provide our sensors with calibration certificates traceable to NABL.

MI Thermocouples from 1mm onwards with grounded & ungrounded junctions. Three types of end connection like Cast Al head, Quick Connector, Direct wire.

Protection tube : Ceramic, Inconel,
Ss304, Ss316,
SS310, HRS446.

Cables :
Thermocouple cable Original & extension grade
RTD Cable | Compensating cable | With different
Insulation like PVC, Teflon, Fibre Glass, Silicon

Adinath

Melt Pressure Transducer And Transmitter

ONEhalf20 Canada Melt Pressure sensor for extrusion and Polymer processing

Pressure Range from 35bar to 1000bar (500 – 15000 PSI)
Output : 3.33mV/V, 4-20mA, 0 to 10Vdc
With 25foot cable and connector
Standard Thread : ½ - 20 UNF Thread, M18, M14
With J / K Thermocouple
Diaphragm Temp. : 400 Deg.C
Oil filled for Food, Packaging and Medical processing application

Melt Pressure Gauge
Rupture disk with burst pressure from 1500 to 9500 PSI
Melt Pressure Indicator with Alarm
Melt Pressure Controller
5 / 6 Pin Connector with cable assembly

ADINATH Data Logging Software

Windows 7 / 10 based Data logging software

Interface Our Temperature controllers, Temperature Scanners with PC through RS485.
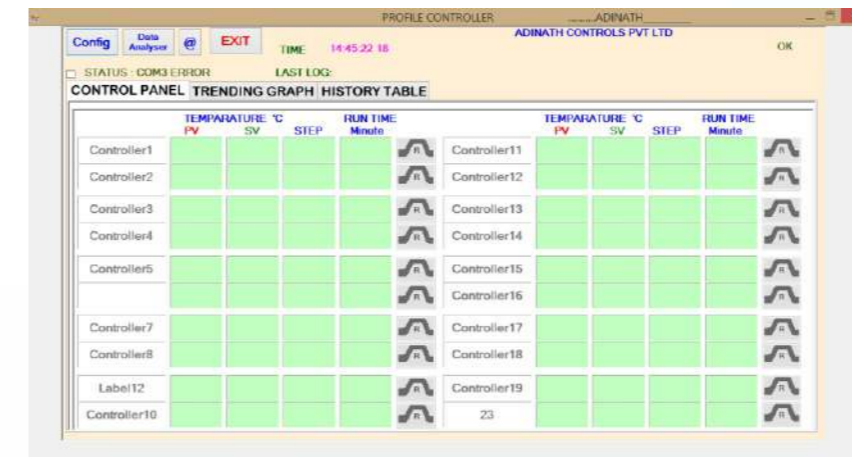
History Data available on Table as well as Graph format
Data logging time programmable from 1 to 60 minute
Ramp/Soak program upload/download from our Temp Controller
Run/ Stop/ Hold program from PC only
Store any no. of program on PC hard disk and down load to Instrument & run any time

ADINATH SCR Power Controller

Thyristorised Power Controller for heat treatment furnace, resistive load / transformer.
Starting from 35Amp available Up to 500Amp.
Microcontroller based digital SCR Power controller with programmable soft start, Voltage limit & Current limit.
3 digit display & 4 keys. Indicates current of 2 phases.
Single , two & three phase design phase angle & zero cross control.
Optional RS485 communication available.
Having 1 relay as alarm output.
5 LED Indication for fault diagnostics Over current, no load, unbalance load, phase failure & unit over temp.
We provide total solution for heat treatment furnace which includes control panel, Ramp/Soak Profile controller, Data logging software and SCR Power Controller.

Heaters

CARTRIDGE HEATER
COIL / NOZZEL HEATER WITH THERMOCOUPLE
WITHOUT THERMOCOUPLE
CERAMIC HEATER

Solid State Relay

SHORT CIRCUIT PROOF SSR
TRIAC / THYRISTOR BASE
WITH HEATSINK AND DINRAIL CLAMP

Transmitter

HEAD / DINRAIL MOUNTED TRANSMITTER
UNIVERSAL INPUT
SELECTION OF INPUT & RANGE FROM PC THROUGH USB CABLE
SELECTION THROUGH MOBILE ALSO AVAILABLE

Adinath

Convertors

WE OFFER DIFFERENT KIND OF CONEVTORS LIKE
RS485 TO RS232
USB TO RS485 / RS232
ETHERNET TO RS232 / RS485 SERIAL CONNECTION
WI-FI TO SERIAL PORT

Digital Timers And Counters

4DIGIT DISPLAY FOR TIMER
COUNTER UP TO 6 DIGIT
SEC / MIN / HOUR ADJUSTABLE
ONE RELAY OUTPUT

Energymeter

SINGLE / THREE PHASE ENERGY METER
DISPLAY WATT, VOLTAGE AND CURRENT
MEASURE VOLTAGE, CURRENT, WATT,
POWER FACTOR & FREQUENCY

Linear Scale

ROD & SLIDE TYPE AVAILABLE
ABSOLUTE MEASUREMENT OF DISPLACEMENT
TWIN BEARING ACTUATING ROD
POTENTIOMETER MEASURING
LONG LIFE, 100 MILLION MOVEMENTS
STROKE LENGTH 75 TO 1250MM AVAILABLE

Photosensors And Proximity Switches

INDUCTIVE / CAPACITIVE PROXIMITY SSENSORS
NPN-PNP , NO-NC POSSIBLE
SIZE : M8, M12, M14, M18, M30 M36
PHOTOELECTRIC SENSOR DIFFUSED BEAM,
THROUGH BEAM
DIRECTWIRE / WITH CONNECTOR

Test Bath For Temperature Sensors

THERMOCOUPLE & RTD SENSORS TESTING BATH
TEMP. RANGE : 50 TO 1100 Deg. C
ONE MASTER WITH FOUR OTHER SENSORS UNDER TEST
REMOVABLE SS310 BLOCK WITH 5 HOLES
STABILITY : +/-1 Deg.C
ACCURACY : +/-0.1% FS, +/1 Dgt
LONG LIFE HEATER
230VAC SUPPLY

Temperature Simulator And Calibrator

UNIVERSAL INPUT SOURCE/MEASURE
TEMERATURE CALIBRATOR
Possible Signal : mV/ V/ mA/ Ohms, all types of
Thermocouples & RTD
3 ½ & 4 ½ Digit LCD Display
Accuracy : 0.05% of rdg 0.05% of f.s. 1 dgt
With Power supply Adaptor and rechargeable cells

Adinath