

# Industrial Tumble Drier Controller

This Industrial Tumber Drier Controller is designed for OEM Laundry and Textile customers who needs performance and high reliability using microprocessor technology.

This controller packs a lot of features and yet compact. It employs both temperature and moisture sensing technology to provide perfect dryness of the load. It controls the drying process using either Time-Temperature and Humidity mode. When operate in humidity mode it results in time and energy savings.

At the end of drying cycle, controller has tilting mechanism to unload the materials.



## Key Features

- ✦ Advanced Microprocessor Technology
- ✦ Compact 144x144mm DIN standard ABS Enclosure
- ✦ 5 Auto-Dry or Time -Dry programs
- ✦ Reliable Construction with Wide Operating Voltage
- ✦ Door Open Sensing
- ✦ Energy and Time Savings Stops Automatically When Load is Fully Dried
- ✦ Residual Moisture Control with Precision Sensor
- ✦ Plug-In Connectors for Easy Wiring

## Specification

### Power Supply

- ✦ 220V AC (180 - 300VAC)

### Inputs

- ✦ Analog Inputs
  - Temperature Sensor (0-120° C)
  - Humidity Sensor (0-90 %RH)
- ✦ Digital Inputs
  - Door Sense Switch
  - Motor Error
  - Phase Error
  - Start Push Button
  - Stop Push Button

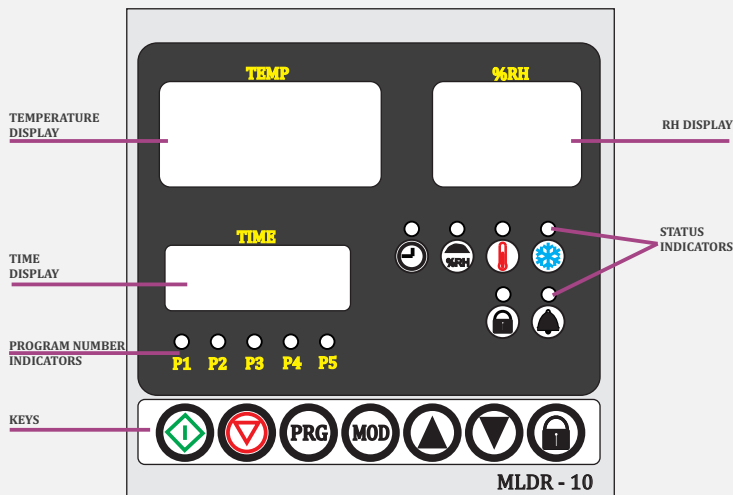
## Outputs

- ✦ Relay Outputs for
  - Drum Right Rotation
  - Drum Left Rotation
  - Heating
  - Cooling
  - Fan
  - Alarm / Hooter
  - Cover Lock
  - Down
  - Up

## Protection

- ✦ EMI
- ✦ Surge
- ✦ ESD

## Controller Front Layout



## Mechanical

Dimension	144mm(W)x144mm(H)x95mm(D)
Weight	500 gm
Construction	DIN Standard Enclosure 144x144mm
Cable Entry	Plug Intype Connectors for Easy Wiring
Operating temp	-5 to +55°C
Relative Humidity	85% Rh with No Condensation

## Specification (Contd...)

### Display and Indications

- ✦ Temperature (0-120°C) - 4 Digital Display
- ✦ Humidity (0-99%) - 2 Digital Display
- ✦ Time (HH:MM) - 4 Digital Display
- ✦ P1 to P5 - 5 Program Indications

### Status Indications

- ✦ Heating
- ✦ Cooling
- ✦ Timing
- ✦ Alarm
- ✦ Door Lock

## LED Indications

- ✦ Preset Program
- ✦ Selection
  - ◆ Dry Timer Runings
  - ◆ Humidity Control
  - ◆ Heating State
  - ◆ Cooling State
  - ◆ Door Open
  - ◆ Alarm

## Controller Rear Layout

