

Tumble Dryer Controller Mk II

Drycom Tumble Dryer Controller customers use this system to ensure optimum product quality and save energy. With the drying operation being one of the most energy intensive in their processing operations significant savings can be made by reducing the drying cycle.

Applications

The Drycom Tumble Dryer Controller can be used in the drying of virtually any product including:

- ◆ Cashmere
- ◆ Cotton
- ◆ Wool
- ◆ Blends
- ◆ Man-made fibres

Benefits

Benefits of using the DRYCOM Tumble Dryer Controller include:

- ◆ Increased Profits
- ◆ Increased productivity (20 to 30% in some cases)
- ◆ Improved and consistent product quality
- ◆ Improved product handle and shelf appearance
- ◆ Reduced energy consumption
- ◆ Avoid overdrying



Configuration

The Streat Tumble Dryer Controller is designed to be easily retrofitted to existing Tumble Dryers.

It works in conjunction with existing timer based dryer controllers and enables the humidity of the exhaust air to be monitored.

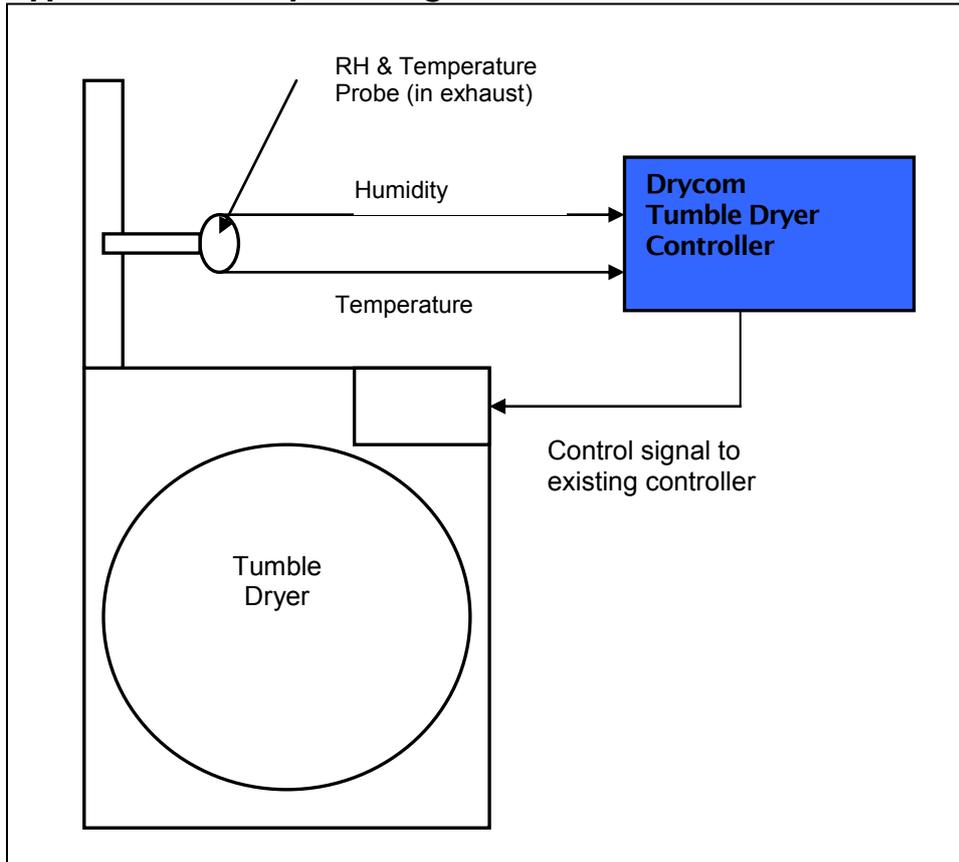
It will switch off the dryer (or cause it to enter the cool-down phase) if the humidity falls below a settable threshold before the timing period has completed. This enables power to be saved, as the dryer will only run as long as needed to ensure the contents are properly dried.

The colour Touch-Screen displays the measured value of exhaust air humidity, and compares this to a threshold which can be set by the operator at any time. Both the threshold and the measured humidity are displayed continuously.

In addition the temperature of the exhaust air is displayed continuously.

Recipe functions are available so the required processing parameters can be stored and selected for each product.

Typical Tumble Dryer Configuration



Specifications

Power Supply	Universal Power Supply for 100 to 260 volt, 50 or 60 Hz operation
Touch-Screen	3.5" 65,536 colors, 16 bit resolution, TFT display with built in PLC
Dimensions (mm)	TBC
Weight (including probe)	TBC
Humidity (RH%) measurement range	0 to 100%
Maximum temperature for RH probe	85°C
RH probe measurement	Monolithic IC humidity sensor
Temperature measurement range	0 to 85°C
Controller enclosure rating	IP65
Controller Output	Clean relay outputs rated at 230 v AC at 2 Amps
Timing Control	PLC Controlled – user configurable
Controller Displays	LED Display of Humidity and Temperature
Operator Input	Humidity trigger level

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