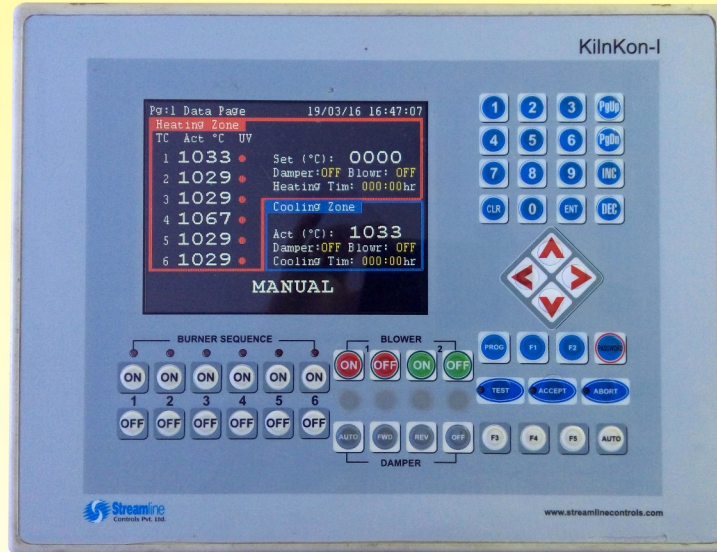


KILNkon

Controller for Kilns



KILNkon

Features

- KILNkon is a dedicated intelligent controller (PLC) exclusively designed to control and monitor entire operation of a Kiln.
- Embeds intelligence with powerful microcontroller, to care all the aspects of process control: Multi-Zone Temperature control, Timings, counting, sequencing, alarms, monitoring, process history data storage, smart user interface etc.
- Proven hardware / software designed by an organization with years of expertise in automation of various industries.
- Smart User Interface with Color TFT & customized keypad : most user friendly programming.
- Compact in Size .
- Modular Inputs / Outputs to ease maintenance in rare events of failure.
- Connectivity: RS 485 Serial Interface with MODBUS protocol to connect with remote PC for better monitoring and control.
- Increased reliability due to technology and embedded design as compared to discrete controls.
- Right from start of the cycle, KILNkon prompts various messages regarding kiln sequential operation for safe & proper start up of the kiln, making it easy to operate with less skill & yet with much accuracy.
- Various process deviation alarms while running, help operator quick recovery.
- UV Sensor Monitoring & alarms.
- Low / High Temperature alarms.
- Smart user interface with proper text ensures understanding and proper setting of various critical parameters by the operator.
- Provides accurate temperature control with common reference to all the temperature zones.
- Excellent real time as well as timing accuracy.
- Accurate Analog Outputs (12 bit resolution).
- Accurate sequence control for the entire operation.
- Early detection of out of control process parameters thanks to various alarms, results in reduced cost of fuel and energy.
- Consumes less power while running.
- Requires simplex thermocouples (single channel) .
- Temperature Graph display on the screen and digital storage of process history data – no need for a chart recorder.
- Also saves on the running cost of the chart recorder – ink, paper and energy.
- Compact in size – two can be fitted in a space of 1 conventional system.
- Facilitates storage of 20 different recipes to run various cycles on the kiln.
- Storage of up to 200 cycles process history data on the SD Card, can be retrieved any time by connecting with PC and running our application.
- On screen Temperature Graph display.
- Smart Power down recovery.



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