THERMTRONIX®

SOLID STATE POWER CONTROL
FOR
ALUMINUM MELTING & HOLDING FURNACES
ELECTRIC • GAS • OIL • PROPANE

UL Underwriters Laboratories Inc. ®
LISTED

**FLAME SAFETY CONTROL
GAS FIRED FURNACE**

**FLAME SAFETY CONTROL
TWIN-CHAMBER HIGH BAY
COMBUSTION FURNACE™**

**SOLID STATE POWER CONTROL
ELECTRIC RESISTANCE FURNACE**

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LISTED

Web Site http://thermtronix.com

THERMTRONIX®

THERMTRONIX® a worldwide recognized leader in solid state power control for aluminum melting furnaces providing guaranteed quality, added value and proven performance.......

SOLID STATE SCR POWER in electric furnaces with a state-of-the-art packaged SCR power system that assures maximum operating efficiency and precise temperature control. Fully adjustable from 0 to 100 percent of power output, it is your guarantee that you never use more energy than the exact amount required for both melting and holding cycles.

SOLID STATE FLAME SAFETY CONTROL in gas fired furnaces monitors proper ignition, pilot flame, and provides a preprogrammed purge cycle before opening main gas valves. System continuously monitors for proper combustion, safety interlocks, gas pressure, air pressure, electrical control power and displays both normal operating and diagnostic messages on an easy to read display mounted on the operators front panel.

POWERGUARD™ a total heating element protection system that continuously monitors each phase of the heating chamber for maximum performance and extended service life.

OVER CURRENT PROTECTION with a UL Listed industrial duty thermal magnetic circuit breaker interlocked to the door operating mechanism for total high voltage isolation and operator safety.

AUTOMATIC OPERATION allows the operator to simply set the desired temperature and the micro-processor based P.I.D. control will maintain the proper power and temperature levels.

DEMAND LIMITING is another standard feature that provides added value. Fully adjustable from 0 to 100 percent of output power, it is a true power limiting device that provides a uniform power level to all heating elements at all times allowing you to avoid peak demand periods and take advantage of utility company incentives.

GROUND FAULT PROTECTION that is UL Listed for personnel protection provides added value and increased operator safety.

AUTO/MANUAL OPERATION allows a manual override of the automatic control system in the event of a thermocouple or processor failure, assuring uninterrupted operation.

SEVEN DAY TIMER is a standard feature that allows for a fully automatic pre-programmed start-up and temperature adjustments.

AUTOMATIC ALARM monitors your furnace twenty-four hours a day and can be wired to a central alarm system via a factory supplied terminal block for customer connection.

DESIGN AND SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

PRODUCT BULLETIN - 2503

Underwriters Laboratories Inc. ®
LISTED

THERMTRONIX® CONTROL PANELS are listed to UL Standards of Safety by Underwriters Laboratories Inc. (UL).

THERMTRONIX® solid state power control panels are built to the highest quality control standards. They have been field proven under the harshest operating conditions in aluminum melting facilities worldwide.

FLAME SAFETY CONTROL

THERMTRONIX® flame control panels are also available for maximum efficiency, performance and safety in gas-fired furnaces.

"MOBILE" PLUG-IN MELTING

THERMTRONIX® solid state power controls are available with UL Listed quick-connect plugs for increased mobility.