

CUSTOM DESIGNED SYSTEMS

**MODEL: Packaged
Custom Control Centers**

Revision: 0

**BULLETIN
7210**

DESCRIPTION

Pyronics Custom Control Centers are factory assembled and tested packaged control cabinets for grouping controls and accessories including :

- Circuit Breakers and Disconnect Switches
- Control Transformers
- Motor Starters
- Relays
- Timers
- Pushbuttons and Switches
- Lights
- Meters
- Alarm Horns
- Fuse Blocks
- Terminal Blocks
- Instruments and Controllers
- Flame Relays
- Limit Switches
- Ignition Systems
- Annunciators

Enclosures are available in all standard Nema types : wall mounting, free standing, multi-door and consoles. We provide custom designed and explosion proof enclosures for special applications.

Control Centers are factory assembled units with external connection points completely wired to numbered 30 amp, 600 volt terminal blocks, in Nema type enclosures with removable sub-panels.

Installation consists of connecting power to Control Center and wiring to external equipment and controls through numbered terminal blocks. Terminal block numbers are clearly related to external equipment connections on drawings supplied with the Control Center.



FEATURES

- Attractive Functional Design
- Factory Engineered and Assembled
- Complete Factory Testing before Shipment
- Designed to Customer Specifications - Your drawing or Ours
- Complete Drawings provided on Factory Engineered Systems
- Lower Installation Time and Cost
- Simplified Field Wiring - Minimize Maintenance
- Combustion Control Specialists
- Process Control System Capability

CAUTION: Operation of combustion equipment can be hazardous resulting in bodily injury or equipment damage. Each burner should be supervised by a combustion safeguard and only qualified personnel should install, make system adjustments and perform any required service.



pyronics inc.

COMBUSTION FOR INDUSTRY

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NOTICE: PYRONICS practices a policy of continuous improvement in the design of its products. It reserves the right to change the specifications at any time without prior notice.

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SPECIFICATIONS

Standard enclosure finish is white enamel interior and blue hammerloid exterior. Special exterior colors and paints are available upon request.

Power Supply to the system can be any standard input through properly sized circuit breakers or disconnect switches. Circuit breaker mechanisms lock enclosure doors closed when power is on.

Control transformers are provided to step down supply voltage for control circuitry.

Starters are available for all motor sizes and are fused when necessary to meet National Electrical Code standards.

Terminal blocks are provided for all necessary external connections.

Limits and external controls may also be mounted on Control Center enclosures for a complete package.

Pushbuttons and selector switches are heavy duty oil tight industrial type with legend plates

Standard indicator lights are full voltage oil tight with legend plates. Transformer and push-to-test lights are available.

Control relays and timers are industrially rated. Timers carry FM and UL approvals in standard panel mount configuration.

Instrumentation including meters, controllers and automatic controls can be specified and supplied by Pyronics or the customer.

All internal wiring is spade lug or clamp-screw installation. Each wire is numbered at both ends in accordance with the wiring diagram and terminal strip numbers for easy servicing. All control circuit wiring is standard number 14 MTW, 2/64" insulation, 600 volt machine tool wire.

Power wiring is sized as required for load. All wiring is run in plastic ducting. Door harnesses are spiral plastic wrapped for protection at the hinge.

All components are securely mounted to sub-panel and/or door and labeled for identification. wiring diagrams indicate component locations on the door and sub-panel layout.

Complete literature is shipped with each Control Center including sequence of operation, bill of materials, ladder diagrams, installation notes, point-to-point external wiring diagrams and engineering data sheets on all components.

Various types of control system accessories are available, such as, junction boxes, pendant stations, alarms, annunciators and program controls.

ORDERING INFORMATION

To order or request a quotation, forward complete prints, a detailed sketch, or operating sequence along with information on special requirements and equipment to Pyronics Industrial Control Division. Quotations are normally available in 7 to 10 days. Call for immediate needs.

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