

Touchpad Controller

Flexible, intuitive controls to automate your process



Our easy-to-use Touchpad Controller offers effortless precision while allowing you to create custom recipes to ensure your process is completed the same way every time.

Compatible with both SCR and switchmode rectifiers, our Touchpad Controller offers an intuitive display with a straightforward view of status indications, controller setup, and special operating modes. Digital controls allow for precise adjustments to voltage and current set-points, ramping time and rate, dwell time, pulse duration, cycle time, and amp-hour set-points.

Users can also use the program function to create recipes to store for later use. Each recipe contains individual steps that include ramp, dwell, pulse, amp-hour, and cycle functions. Concurrently operating modes allow for even more complex waveforms. This automation saves time and labor while also improving quality and reliability.

This controller comes built into a standard remote console, allowing for flexible controller placement. Custom control placement options are available upon request to accommodate other location needs. The Touchpad Controller can also be retrofitted to existing Dynapower power supplies or SCR units from other manufacturers.



Features

Alphanumeric display for status indications, setup, and special operating modes

3 Digit LED display for output voltage

5 Digit LED display for output current

Precision set-point adjust buttons

Digital display for set-point adjust

Amp-hour totalizer with 20-digit resolution

Fault indication

Polarity reversal function

RS485 serial interface with Modbus RTU protocol

Ethernet interface with Modbus TCP protocol

Basic Functions

Voltage set-point adjust

Current set-point adjust

Ramp rate adjust

Dwell timer adjust

Amp-hour set-point adjust

Cycle timer adjust

Pulse adjust

End of cycle alarms



Program Functions

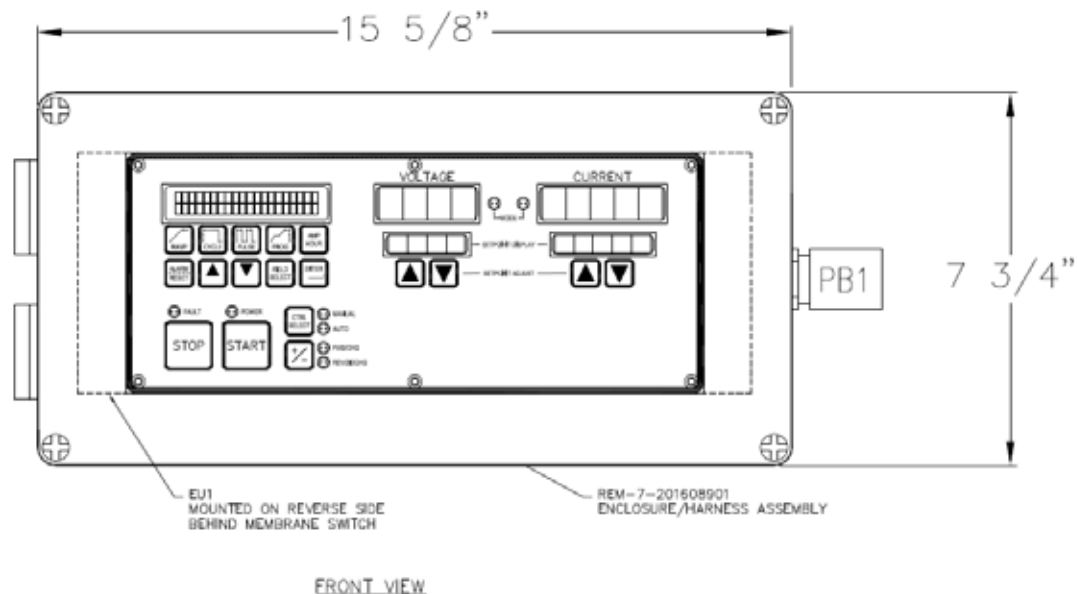
Store up to 12 multi-step programs

Each program contains up to 8 steps that include ramp, dwell, pulse, amp-hour, and cycle functions

Selectable time-base of milliseconds, seconds, minutes, or hours for all timers

Concurrently running operating modes to allow for complex waveforms

Programs and setpoints automatically restored upon power-up



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