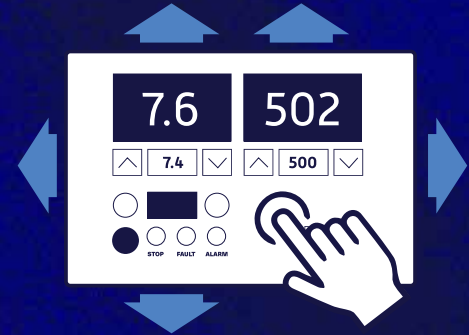


## Multi-Unit Controller

# Control up to ten units from one interface

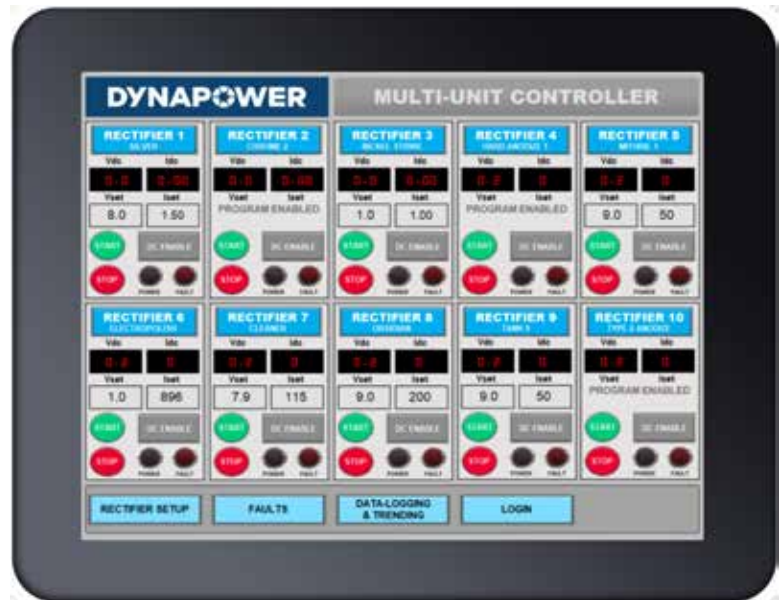


**Our Multi-Unit Rectifier Controller offers convenience and efficiency by controlling multiple rectifiers from a single user-friendly touchscreen that can be centrally located in any facility.**

Compatible with both SCR and switchmode rectifiers — which may include a combination of up to 10 power supplies of varying sizes — this controller saves valuable time with the automation of recipes, fault diagnostics, and data logging of all connected rectifiers from a central control interface.

With the Multi-Unit Controller, you can create and store up to 12 custom recipes to suit any process, ensuring your process is completed the same way every time. Recipe steps include ramp, dwell, pulse, amp-hour, and cycle functions.

To ensure all audit requirements are satisfied, the Multi-Unit Rectifier Controller features data logging for objective evidence. The data logging feature saves detailed DC voltage and current feedback & setpoint data and reports upon the completion of every successful finishing cycle. All history is easily accessible for download and review for record keeping.



The Multi-unit controller comes built into a standard remote console, allowing for flexible controller placement. Custom control placement options are also available on request. This controller can also be retrofitted to existing Dynapower rectifiers to modernize the control of your power supplies.

## Features

**12.1" Touchscreen interface** (1024 x 768) for easy control

**Graphic display** for viewing unit output, set-point reference levels, status indication, setup, and special operating modes

**Voltage and Current set-point adjust**

**Amp-hour totalizer** with 9-digit resolution

**Amp-hour count dousing cycle.** Can program digital output to change state after 'X' Amp hours is reached and program output to stay energized for 't' seconds.

**Status screen** showing all input and fault states

**In depth active fault and history reports** to quickly identify and diagnose faults

DC **voltage and current feedback and setpoint trend display** with cycle-based **data logging**

**Polarity reversal** function (when applicable rectifier hardware present)

Selection for **customer remote interface** (AUTO MODE) via Ethernet TCP/IP, Modbus TCP or Remote Analog (4-20mA/0-10VDC)

**Temperature monitoring** readback/fault capability (Contact Dynapower for more information on hardware requirements)

## Basic Functions

**Ramp rate set-point adjust** for both voltage and current modes

**Amp-hour cycle-limit adjust**

**Pulse set-point adjust** for both voltage and current modes

**End of cycle indication**

**Cycle timer/voltage cycle limit adjust**

## Program Functions

Store up to **12 multi-step programs** per rectifier

Each program contains up to **8 steps that include ramp, dwell, pulse, amp-hour, and cycle functions, step repeat/jump functions**

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

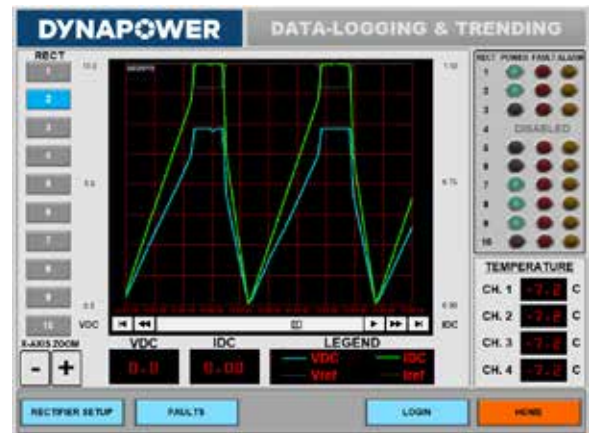
Intuitive and **visual interface to set up and review programs**

**Step repeat/jump parameters** to allow for complex waveforms

Ability to **copy and delete full programs**

Programs and set-points **automatically restored** upon power-up

**End of program indication**



Datasheets provided by Sensata Technologies, Inc., its subsidiaries and/or affiliates ("Sensata") are solely intended to assist third parties ("Buyers") who are developing systems that incorporate Sensata products (also referred to herein as "components"). Buyer understands and agrees that Buyer remains responsible for using its independent analysis, valuation, and judgment in designing Buyer's systems and products. Sensata datasheets have been created using standard laboratory conditions and engineering practices. Sensata has not conducted any testing other than that specifically described in the published documentation for a particular datasheet. Sensata may make corrections, enhancements, improvements, and other changes to its datasheets or components without notice.

Buyers are authorized to use Sensata datasheets with the Sensata component(s) identified in each particular datasheet. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER SENSATA INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY THIRD PARTY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT, IS GRANTED HEREIN. SENSATA DATASHEETS ARE PROVIDED "AS IS". SENSATA MAKES NO WARRANTIES OR REPRESENTATIONS WITH REGARD TO THE DATASHEETS OR USE OF THE DATASHEETS, EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ACCURACY OR COMPLETENESS. SENSATA DISCLAIMS ANY WARRANTY OF TITLE AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUIET POSSESSION, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO SENSATA DATASHEETS OR USE THEREOF.

All products are sold subject to Sensata's terms and conditions of sale supplied at [www.sensata.com](http://www.sensata.com). SENSATA ASSUMES NO LIABILITY FOR APPLICATIONS ASSISTANCE OR THE DESIGN OF BUYERS' PRODUCTS. BUYER ACKNOWLEDGES AND AGREES THAT IT IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL LEGAL, REGULATORY, AND SAFETY-RELATED REQUIREMENTS CONCERNING ITS PRODUCTS, AND ANY USE OF SENSATA COMPONENTS IN ITS APPLICATIONS, NOTWITHSTANDING ANY APPLICATIONS-RELATED INFORMATION OR SUPPORT THAT MAY BE PROVIDED BY SENSATA. Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA



#### REGIONAL HEAD OFFICES

##### United States of America

Sensata Technologies

Attleboro, MA

Phone: 508-236-3800

E-mail: [support@sensata.com](mailto:support@sensata.com)

##### Netherlands

Sensata Technologies Holland B.V.

Hengelo

Phone: +31 74 357 8000

E-mail: [support@sensata.com](mailto:support@sensata.com)

##### China

Sensata Technologies China Co., Ltd.

Shanghai

Phone: +8621 2306 1500

E-mail: [support@sensata.com](mailto:support@sensata.com)

Copyright © 2023

Sensata Technologies, Inc.



85 Meadowland Drive, South Burlington, Vermont USA 05403

1.802.860.7200 | [sales@dynapower.com](mailto:sales@dynapower.com)

[dynapower.com](http://dynapower.com)

