

Control Stations

Category

Overview

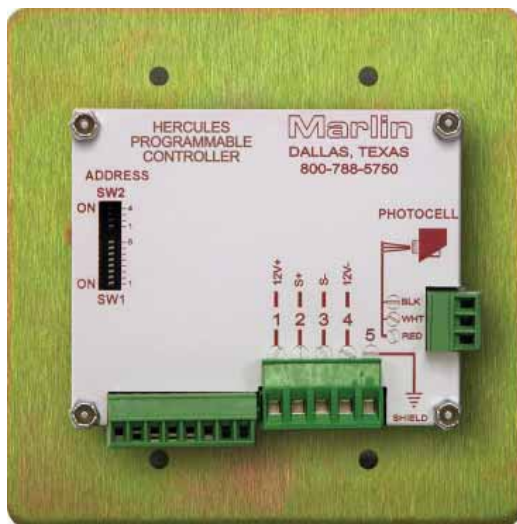
According to legend, Hercules performed 12 miraculous labors with extraordinary strength. Today, the Hercules Programmable Controller performs another labor, in a small package, but still with extraordinary strength: making your lighting system run according to your schedule, and not the other way around. It automates your lighting, so your facility is prepared for work, shopping, studying, dining, or unwinding. Well-managed lighting, in turn, saves energy, ensures security, and creates an environment pleasing to both humans and immortals.

Photos

Typical Applications



Hercules - front



Hercules - back

- Offices, schools
- Retail stores
- Restaurants, lounges, clubs
- Resorts, country clubs

Features

- Set lighting to turn on, turn off, or dim to set levels at any time of day
- Built-in astronomical time clock calculates sunrise and sunset times and lets you automatically adjust lighting at sunrise, sunset, or any time up to 6 hours before or after sunrise or sunset
- Use the optional outdoor photocell sensor and automate interior lighting according to the amount of available sunlight
- Create daily, weekly, weekday-only, or weekend-only lighting events
- Password-protected levels of access (user and admin) limits functionality to different users
- Off sweep function shuts off lighting after desired lengths of time when lights are left on after working hours, and warns occupants by flashing lights before they go off
- Skip function disables lighting events on single days, weekends, or holidays
- Two programmable holiday banks, each containing up to 30 holidays

Hercules Programmable Controller

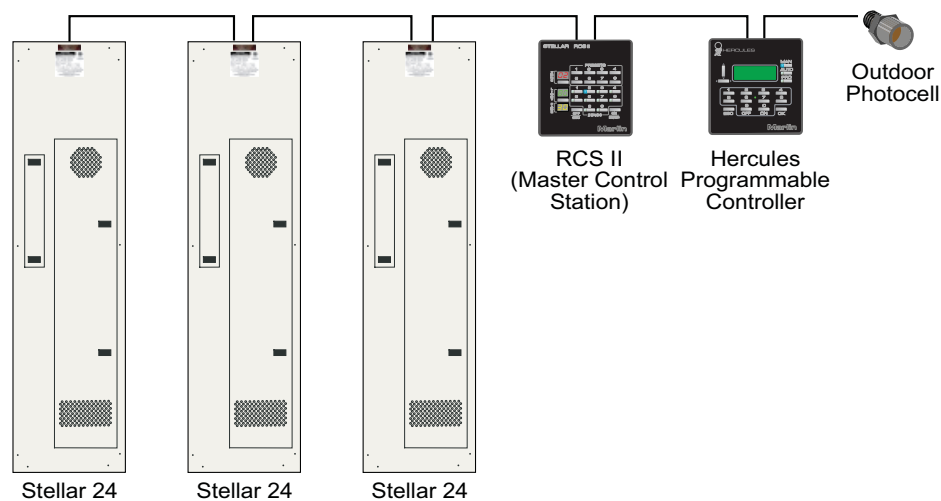
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Features

- Four external inputs to interface fire alarms, security alarms, occupancy sensors, and door sensors
- In switched lighting control systems, dynamically assign relays to zones and use remote keypads to control each zone
- Automatically reverts to last active settings after a power outage
- Customizable faceplate, with custom text and various colors available
- Compatible with Stellar Panelboard Dimming Systems, Stellar Mini Panels, and Pegasus Lighting Control Panels
- Interfaces with Stellar preset controllers such as the RCS or RMS, for dimming systems
- Interfaces with manual relay and zone keypads for switched lighting control systems
- Connect the Stellar WiFi Interface or Hermes modem interface to set up the lighting system from your PC or laptop, through a wireless network, corporate LAN, or dial-up modem connection
- Meets California Energy Commission Title 24 (2005), ASHRAE 90.1, and IECC standards and requirements

Sample Configurations

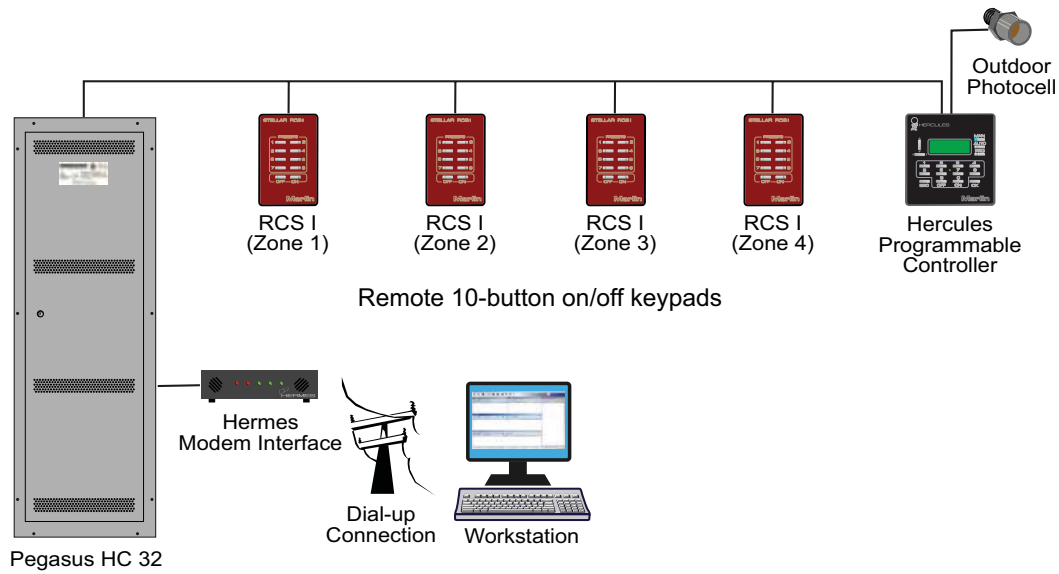


72 Stellar dimmers with the RCS II master preset controller, the Hercules Programmable Controller for time automation, and outdoor photocell for sunlight-based automation

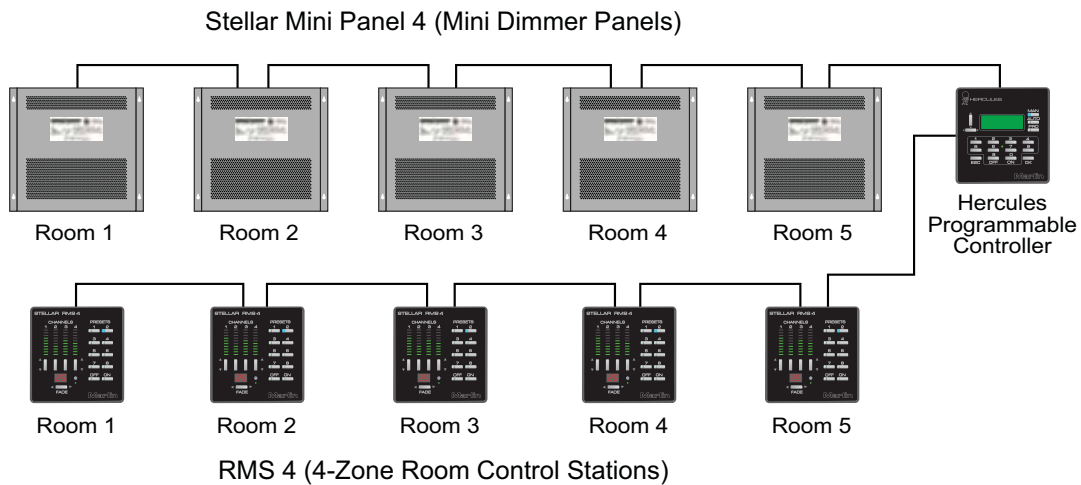
Hercules Programmable Controller

Control Stations

Sample Configurations



Pegasus HC Lighting Control Panel with 32 relays for switched lighting control, Hercules Programmable Controller for automation, outdoor photocell for sunlight-based automation, four remote keypads for individual zones, and the Hermes Modem Interface for dial-up control from a PC



Hercules Programmable Controller with five Stellar Mini Panels (each with four mini dimmers), and one RMS 4 four-zone control station for each panel

Front dimensions	4.50" W x 4.50" H
Switch box dimensions	3.75" W x 3.75" H x 3.5" D (2-gang, Raco P/N 696)
Time event options	Frequency: everyday, weekly, weekday-only, weekend-only Time: exact time, before/after sunrise, before/after sunset
Sunrise/sunset offset	Up to 5 hours, 59 minutes
Astronomical time clock	Calculated by latitude/longitude, updated daily, accurate to within one minute
Photocell event options	Everyday, weekly, weekday-only, weekend-only
Photocell options	Enable/disable, on/off time, delay, tolerance
Zone options	Up to 256 zones; unlimited relays per zone
Skip options	Daily, weekly, weekday, weekend, holiday
Holidays	Two banks of 30 holidays
Off sweep options	Open/close times, sweep time (one to five hours), warning time, warning duration
External inputs	Four (dry contact closure): fire alarm, security alarm, occupancy sensor, door switch
Security levels	Password-based: user (manual operations only) and admin (manual and programming operations)
Backup	Rechargeable lithium battery, non-volatile flash memory
Energy code compliance	California Energy Commission Title 24 (2005), ASHRAE 90.1, IECC
Control wiring	Requires four-conductor shielded low-voltage control cable, minimum 20-gauge (Belden #9402 recommended)
Photocell wiring	Requires three-conductor shielded low-voltage control cable, minimum 20-gauge (Belden #9963 recommended)
Input voltage	12 VDC
Communication	RS-485
Operating environment	For indoor use only
Faceplate customization	Matte black, laser-engraved acrylic; custom colors, text, and graphics available upon request

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