

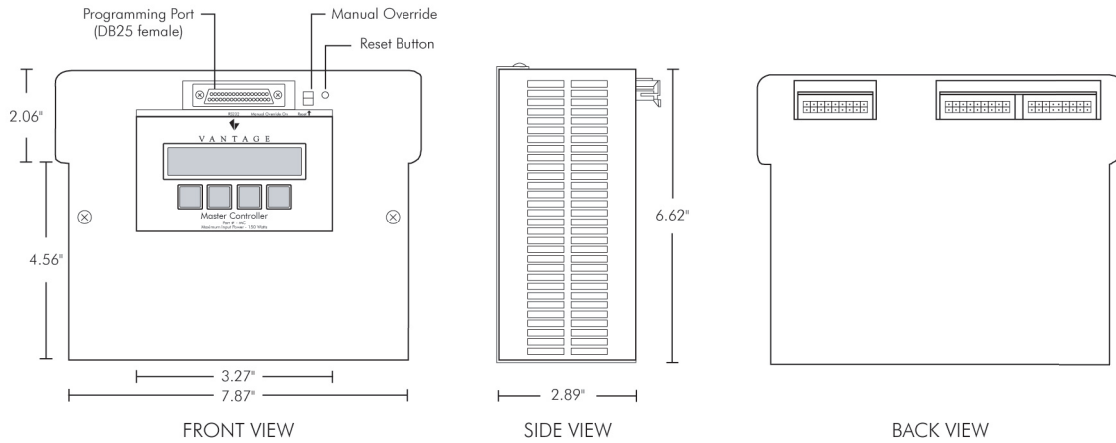
MASTER CONTROLLER



The Master Controller executes and stores all of the programming and functionality of a Vantage system. Designed for installations that utilize an enclosure, this central processing unit can be programmed with user-friendly software. This allows the Master Controller to orchestrate scenes for lighting, audio/video, HVAC, security system preferences and much more.

Each Master has the capability to coordinate commands from up to 50 wired keypads. At full capacity, 15 Master Controllers can be interconnected to control over 1,900 loads. Vantage Master Controllers also feature the ability to track real and astronomical time and the LCD on the housing facilitates quick and accurate system diagnostics.

- Features a plug-and-play design
- Displays the system status through an LCD interface
- Includes manual override and reset functions
- Retains system integrity with a lithium battery backup
- Tracks real and astronomical time (i.e. sunrise and sunset)
- Executes single or multiple events from a single trigger
- Supports conditional events
- Operates as a stand-alone or networks with other masters
- Interfaces with a PC operating in Windows 98 or newer
- Functions independent of a PC after initial set-up
- Includes RS-232 ports for easy programming and control of third party systems
- Runs on upgradeable internal software



SPECIFICATIONS

Dimensions, HWD

6.62" x 7.87" x 2.89"
168.14mm x 200.15mm x 73.40mm

General Specifications

Model	MC
Weight	2.25 lbs (1 kg)
Ambient Operating Temperature	0–40° C (32–104° F)
Ambient Operating Humidity	5–95% (noncondensing)
Cooling	Convection
Maximum # of Keypad Buttons	400
Maximum # of Slave Buttons	100
Maximum # of Modules	16
Maximum # of Loads	128
Maximum # of Stations	50
Maximum # of Timed Events	250
RS-232 Ports	2 (diagnostic-1, standard-1)
Manual Override	Yes
Reset	Yes
Maximum Voltage	120–240V, 60/50Hz
Maximum Power Draw	75W
Built-in Protection	<ul style="list-style-type: none"> • Transformer isolation between master controllers • Static shock for master, station, slave, RS-232 • Secondary effects of lighting for master, station
Lithium Battery Backup	20 year (unpowered)
Flash Memory	Yes
UL and CUL Listed	Yes

Wiring Specifications

Station Bus / Controller Bus	2 conductor, 18 gauge stranded, nonshielded, twisted pair, less than 25pF
Maximum Length of Controller Network	1,000 feet (304 meters)
Maximum Wire From MC to SC	200 feet (60 meters)
Wiring Configuration Controller Network	Daisy chain
Wiring Configuration MC to SC	Home run from MC to each SC
Maximum Length of Station Bus	2,000 feet (608 meters)
Wiring Configuration of Station Bus	Daisy chain, branch, and/or star



Your *First Choice* in Automation & Lighting Control