

Master Controller



The Master Controller executes and stores all of the programming and functionality of a Vantage Q System. Designed for installations that utilize an enclosure, this central processing unit can be programmed using QLink. 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.

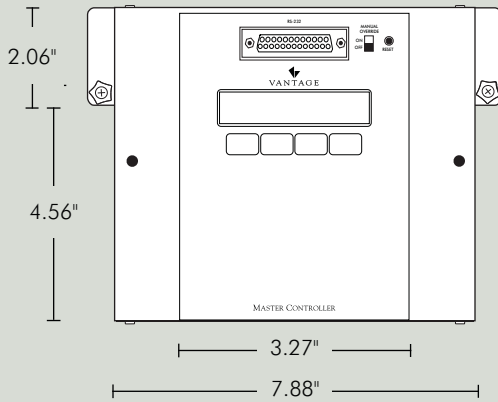
product highlights



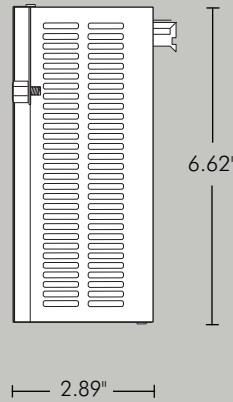
- Features a plug-and-play design
- Displays the system status through an LCD interface
- Includes manual override and reset functions
- Retains system integrity with a lithium battery backup
- Tracks real and astronomical time (i.e. sunrise and sunset)
- Executes single or multiple events from a single 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



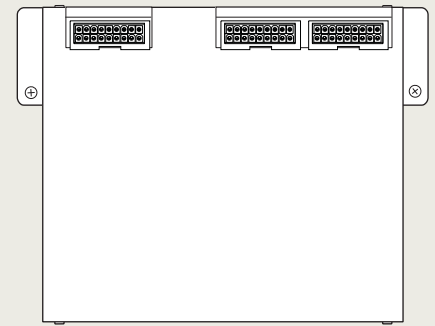
Master Controller



FRONT VIEW



SIDE VIEW



BACK VIEW

specifications

Dimensions, HWD

6.62" x 7.88" x 2.89"
168mm x 200mm x 73mm

General Specifications

Model	MC
Weight	2.25 lbs (1 kg)
Ambient Operating Humidity	5–95% non-condensing
Ambient Operating Temperature	0–40° C (32–104° F)
Built-in Protection	<ul style="list-style-type: none"> • Isolation between Master Controllers • Static shock for master, station, slave, RS-232 • Secondary effects of lightning for master, station
Cooling	Convection
Flash Memory	Yes
Lithium Battery Backup	20 year (unpowered)
Manual Override	Yes
Maximum # of Keypad Buttons	400
Maximum # of Modules	16
Maximum # of Loads	128
Maximum # of Stations	50
Maximum # of Timed Events	250
Maximum Power Draw	1.25 amps or 150W @ 120V / 75W @ 240V
Maximum Voltage	120–240V, 60/50Hz
Reset	Yes
RS-232 Ports	2 (diagnostic-1, standard-1)
UL and CUL Listed	Yes

Wiring Specifications

Station Bus / Controller Bus Wiring Minimum	2 conductor, 16 AWG stranded, non-shielded twisted pair, 30 pF/foot max, UL rated CL2
Station Bus Combined Maximum Length	Maximum length of station bus 2,000 feet (608 meters) No station more than 1,000 feet from Master
Station Bus Topology	Any combination of daisy chain or star or branch or home run
Maximum Length of Controller Network	1,000 feet (304 meters)
Maximum Wire From MC to SC	200 feet (60 meters)
Topology Controller Network	Daisy chain
Wiring Configuration MC to SC	Home run from MC to each SC

