

Bridge Module

BM1-1 | BM1-2



When we began designing our home automation suite, one of the key decisions was whether to build it with a central nervous system linking all the components, or whether to let them all be autonomous.

Instead, we did both. The Bridge Module commissions the system, recovers any module in a plug-and-play manner in the event of a component failure, and communicates with the outside world. But because it doesn't actually control the individual modules, we have removed the possibility of a single-point system failure.

The Bridge Module monitors and securely connects the automation system to support personnel, and sends alerts in the event of a module fault. It is programmable for future event scheduling – for instance, to change the kid's bedroom lighting from story-time to bedtime each night at the appointed hour. It also works in tandem with our unique system design software to make future design upgrades a cinch. It even stores the lighting from the last two weeks and replays that pattern when you go on vacation so it really looks as though someone is at home.

Primary Features

- BM1-1 contains one Bridge Module, while the BM1-2 includes a standby Bridge Module
- Permits scheduling of events based on the time of day, or relative to sunrise or sunset
- Vacation memory makes your home look occupied when you are away
- System diagnostics & monitoring calls for service as soon as it's needed
- Module recovery restores normal operations when modules are replaced
- As-Built data storage makes future remodeling easier
- Standby Bridge Module takes over should the primary Bridge Module fail*
- Data backup provides redundant storage of system data and design files*

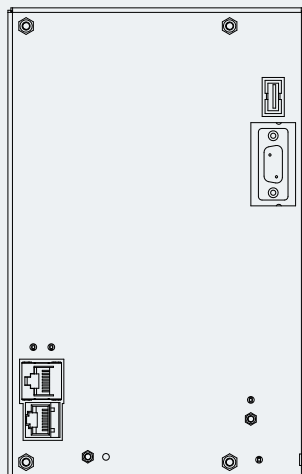
*BM1-2 only

Bridge Module

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Drawings

Top



Side



Electrical	Input	12VDC, 2.0A max, 1.0A typ.
	Real-time Clock battery	3V Lithium CR1632
Physical	Interfaces/Communication	RJ45 - 10/100 Mbps Ethernet USB Type A - Colorado vNet Peripherals Port Male DB9 - DTE RS232 RJ-45 CAN-Bus
	Buttons	Reset - Board Reset Paperclip - Commissioning & Address Reset
	Indicators	Reset - Reset active Power - Power to unit Xmt - Ethernet transmit active Rcv - Ethernet receive active Status - Multi-mode status indicator
	H x W x D	8.2" x 5.2" x 1.2"
	Weight	1.3 lbs
	Environment	Operating Temperature
General	Standards/Approvals	UL/cUL: 60950 FCC Part 15: (emissions) Class B CAN 2.0B Compliant Patents Pending
	Data Storage	non-volatile Compact Flash Card: 128 MB
	Clock Accuracy	-2.2, +3.8 sec/day
	Accessories	Included