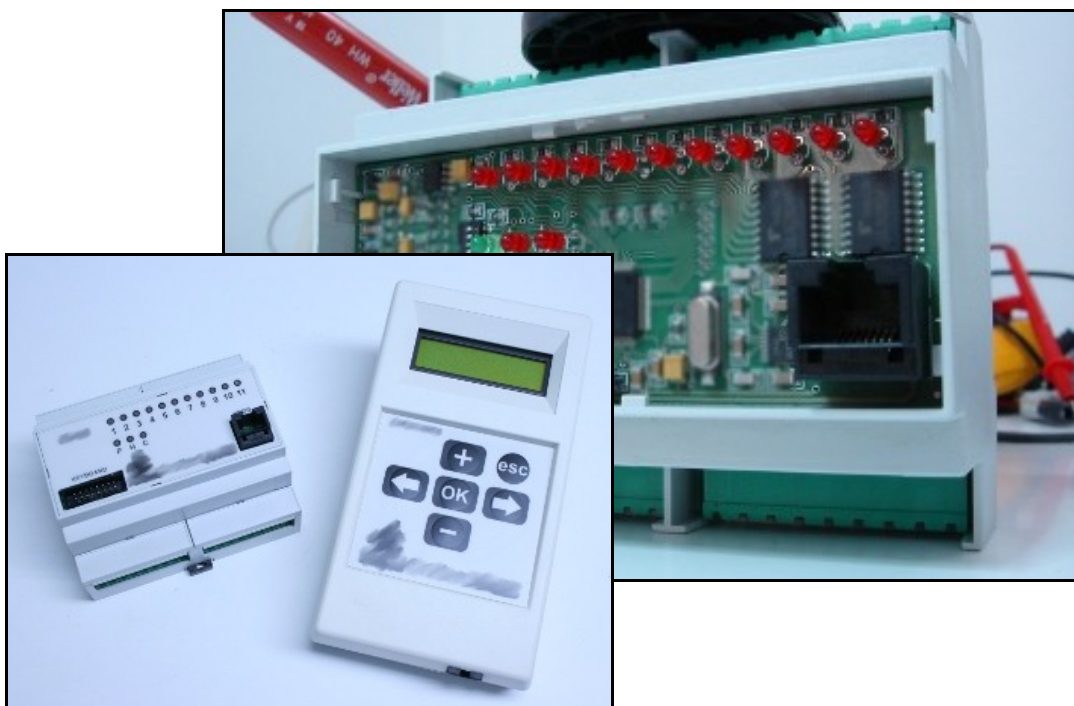


Beverage Brew Machine Automatic Controller BMAC-03

- Product Description



Description:

BMAC-03 can control the core functions of custom Beverage brew machines with up to 16 independent different beverages, 11 generic programmable outputs, plus 2 heater/cooler tanks of any capacity. BMAC-03 is a time-based, 230VAC solid-state output controller. Each single cup beverage can have a maximum time limit of 25,5 sec and output control steps of 100 msec. Overall time can extend in carafe mode by a multiplier ranging from 0 to 99. The carafe extension is either a selectable repeated, or uniform cupextension. Temperature control with 2 accurate thermistor-based sensors, has a range of 0°C - 100°C, implements a PID control loop and can control the heater/cooler elements through a phase controlled SSR or a standard mechanical relay. BMAC-03 has one direct input for external keyboard with up to 16 keys, and one port communication/power interface for various control and/or display equipment. Solid State outputs are zero-cross and can control inductive loads up to 4A rms each (such as valves or mixer motors).

Characteristics:

- Fully Customizable Beverage brew controller
- 16 different beverages internal memory
- Selectable carafe multiplier
- 11 Zero-cross, optically isolated solid state outputs
- Two heater/cooler 0°C - 100°C temperature controllers
- Up to 16 keys Direct keyboard interface
- Various customized control/display interfaces trough the embedded port
- Non-volatile internal counter memory, 10 Million cups resettable for each beverage
- Available with secure AES based communication protocol
- Easy install/uninstall through no-screw plug-in CIF power connectors
- Reliable, in-the-field proven operation
- Able to re-designed in order fit your exact demands

Applications:

- Professional custom beverage brew Machines
- Other repeated short-time based automation

Relevant Equipment:

- *BMAC-03-PSU*, 12V Stabilized Power supply unit
- *BMAC-03-PROG*, professional hand held BMAC control device with 20 ready-to-program BMAC's internal memory, and advanced safety features to easy control all device functions and settings.
- *BMAC-03-CD*, a real time total counter LCD display
- *BMAC-03-PSA*, connection adapter/translator for older PROG01 and PROG02 controllers

Ratings:

Description	Value	Unit
Supply Voltage	12	V (stab.)
Maximum Supply Current	300	mA
Ambient temperature range	-40 to +80	°C
Maximum Solid state switch continuous current (rms)	4	A
Maximum Solid state switch pulsed current (rms~10sec)	16	A
Solid state switch voltage	230	V/AC
Solid state switch freq.	50~60	Hz