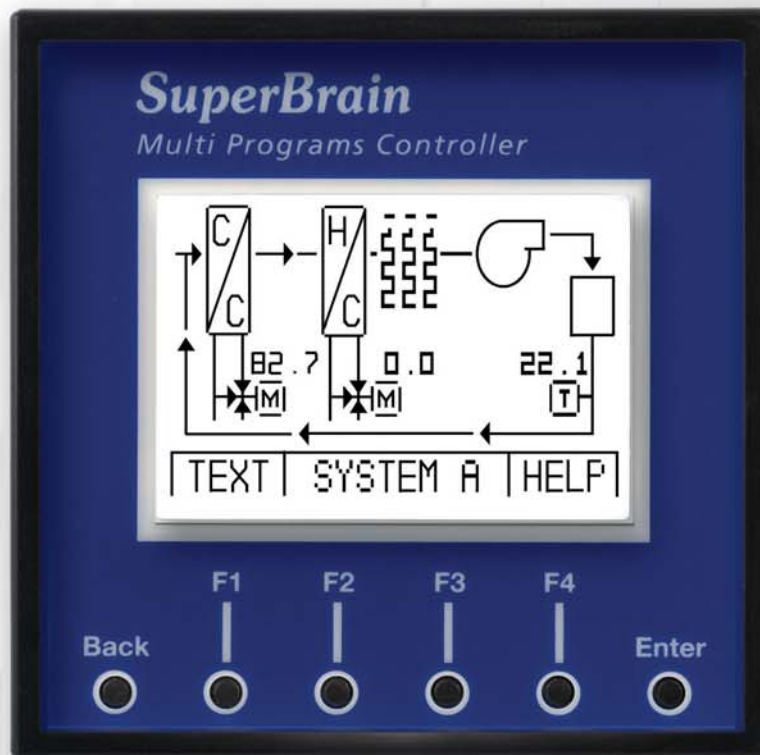


SuperBrain

HVAC & BMS Multi Programs Controller



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General

SuperBrain is a stand-alone Direct Digital Controller (DDC) especially designed to control and monitor heating, ventilating and air conditioning systems (HVAC) as well as energy, lighting and electrical systems. SuperBrain is the optimal solution for controlling air conditioning units, VAV and fan & coil units. SuperBrain offers an advanced technology product especially designed for hotels, hospitals, large offices and other public buildings.

Features

- Stand-alone operation
- Up to 400 ready to use application programs
- Weekly time programs
- Integrated HVAC software application programs
- Application programs stored in flash memory
- User definable application programs

- Modern 128 X 64 graphic LCD display.
- Simple multi lingual menus.
- RS 485 communication port for BMS System
- Ethernet (TCP/IP) communication port (optional)
- ModBus communication protocol supported
- Open protocols supported
- Simple installation.
- Easy operation
- Low cost

An O.E.M. Designed Product

SuperBrain is especially designed to provide swift, efficient and cost effective solutions, serving the needs of HVAC system manufacturers.

The controller eliminates the need for installation of weekly clock timers, time delay relays, modulating HVAC controllers, indicator lamps, etc.

HVAC & BMS Software Application Programs

The SuperBrain DDC controller includes up to 400 HVAC and BMS software application programs stored in the flash memory. By using the simple multi lingual menus, the user can define the application programs to be used.

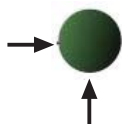
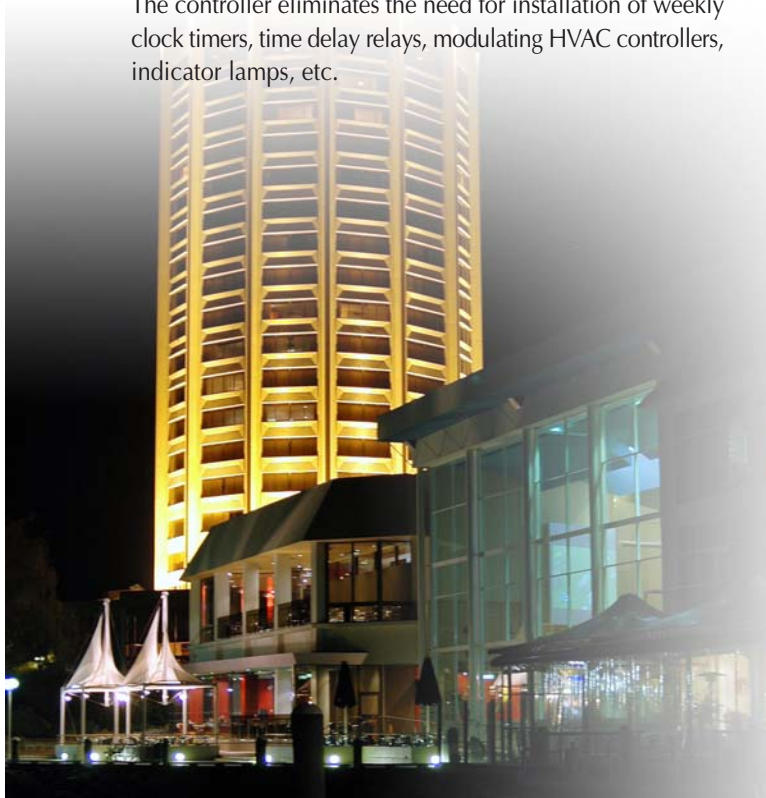
Input/Output Points

The Input/Output Points of the SuperBrain DDC controller are divided into two sub controllers (A/B). Each one of the sub controller includes up to 50% of the following Input/Output Points:

- 8 Digital Outputs: Dry Contact 150 MA Max
- 8 Analog Outputs: 0-10 VDC modulating control
- 8 Universal Inputs: 0-10 VDC or Ni 1000 or dry contact
- 4 Digital Inputs: dry contact

Dimensions: 96 mm x 96 mm x 71 mm

- Shipping Weight: 200 Grams
- Power Requirements: Voltage 24AC +/- 20%
- Minimum Transformer Size: 50VA
- Frequency: 50/60 Hz
- Operation Limits: Temperature: 0-50°C
- Humidity: 0-95% RH



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