

SuperBrain DR

Multi Programs Controller



General

SuperBrain DR 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 and electrical systems.

SuperBrain DR is the optimal solution for controlling Air Conditioning units, VAV and Fan & Coil units.

SuperBrain DR offers an advanced technology product especially designed for hotels, hospitals, large office and other public buildings.

Features

- Stand Alone Operation
- Application Program in Flash Memory
- Weekly Time Program
- RS485 Communication Port Modbus RTU MSTP
- Ethernet-TCP/IP Communication Port (Modbus, BACnet)
- Web browser capability
- Low Cost
- Elegant LCD Display
- Panel with Internal Temperature Sensor (optional)

An O.E.M. Designed Product

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

The controller eliminates the need for installation of the following equipment: Timers; Time delay relays; Command relays; Temperature, relative Humidity, Pressure and other Sensors, Modulating HVAC controllers; Lamp displays, etc.

HVAC Software Application Program

The SuperBrain DR DDC controller includes a wide selection of HVAC software application programs providing multi HVAC control applications in a single controller unit.

Input/Output Points

The SuperBrain DR input and output points are especially designed to be compatible with the conventional HVAC and electrical control equipment commonly used in the market.

Each controller includes:

- 8 Digital Outputs: Dry Contact 150 mA MAX
- 8 Digital Inputs: Dry contact
- 8 Analog Outputs: 0-10 VDC Modulating
- 8 Universal Inputs: 0-10 VDC, 4-20 mA, PT1000, Ni 1000 or dry contact

Dimensions

SuperBrain DR Controller 160 mm x 90 mm x 61 mm

Shipping Weight

SuperBrain DR Controller 470 Grams

Power Requirements

Voltage: 24AC \pm 20%
Minimum Transformer Size: 50VA
Frequency: 50/60 Hz

Environmental Operation Limits

Temperature: -20 \div +70°C
Humidity: 0 \div 95% RH

