SuperBrain
Programmable DDC Multi Programs Controller

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, fan & coil units, chillers, boilers, etc.
SuperBrain offers an advanced control technology especially designed for hotels, hospitals, offices, public and industrial buildings.

Features

- Stand-alone operation.
- Up to 200 ready to use application programs, as well as user-made programs.
- Internal clock and weekly time programs.
- Integrated HVAC software application programs.
- Application programs stored in flash memory.
- User definable application programs.
- Modern 320x240 color LCD display.
- Simple multi lingual menus.
- Panel mounted simple installation.
- Easy operation.
- Low cost.

Input/Output Points

SuperBrain contains two internal systems that can be combined to one system:

2x4=8 Digital outputs:	Dry contact 150mA max
2x2=4 Digital inputs:	Dry contact
2x4=8 Analog outputs:	0-10 VDC (200Ω)
2x4=8 Universal inputs:	0-10 VDC, 4-20mA, PT1000, Ni 1000Ω or dry contact

Technical Data

Power Requirements:	24 VAC ± 20% 60/50 Hz 20VA
Dimensions (HxWxD):	96 x 96 x 71 mm
Shipping Weight:	0.5Kg
Environmental:	
Operation Temperature:	-20 ~ +70ºC
Storage Temperature:	-20 ~ +70ºC
Humidity	0 ~ 95 RH% non-condensing
Front Panel Protection	IP64

Communication

RS485 port:	Up to 115200 bauds Modbus and BACnet
Ethernet (TCP/IP):	optional
Web browser	optional