SuperBrain FC
Programmable DDC Multi Programs Controller

The SuperBrain FC controller is a free programmable controller specifically designed to control air conditioning units, fan coils, AW and VAV units.

SuperBrain FC controller is the optimal solution for air conditioning units that includes several speed levels, heating elements, cooling \ heating valves or motorized dampers.

Features

- 3 speed fan velocities control.
- Internal clock operation control (stand-alone).
- Heating and cooling solenoid control.
- Input for no flow/temperature protector.
- Time proportional control using Solid State Relay (SSR).
- Input for fire/smoke detector.

Options:

- Operating up to 3 heating elements with 20A relays each.

Input/Output Points

Analog Output or Input:	2x0-10 VDC, 8mA
Solenoids operation:	2x230VAC, max 150mA
	24VAC, max 150mA
Fan relays:	3x5A (optional 3x10A)
Heating element relays:	3x20A (optional)
SSR output:	24VAC, max 150mA
Temperature sensor:	Room / Duct
Digital inputs:	3xDry contact

Technical Data

Power Requirements:	230VAC
	60/50 Hz
	30VA
Dimensions (HxWxD):	
Thermostat Panel:	160 x 90 x 61 mm
SB FC power unit:	96 x 158 x 58 mm
Shipping Weight:	1.169Kg
Thermostat Panel:	0.08Kg
SB FC power unit:	1.089Kg
Environmental:	
Operation Temperature:	-20 ~ +70°C
Storage Temperature:	-20 ~ +70°C
Humidity	0 ~ 95 RH%
	non-condensing
Front Panel Protection	IP33

Communication

2 x RS485 port:	Up to 115200 bauds.
	Modbus and BACnet