

## SDC-20C Sedona BACnet/Modbus Zone Controller

The SDC-20C Sedona Distributed Compact Controller) are robust, networkable, programmable controllers designed for zone control and terminal unit applications such as fan coil units, small AHUs, package units, underfloor heating zones etc.

The SDC-20C controllers have 2 serial RS485 ports and can support BACnet MS/TP or Modbus RTU (selectable via hardware DIP switch). The SDC-20C has 20 points of I/O and priced to meet most high volume applications and price points. 20 IOs include, 12 Universal Inputs (UI) supporting current, voltage and resistance based sensors, 4 electrically isolated Digital Outputs (DO) and 4 Analogue Outputs supporting current and voltage modes.



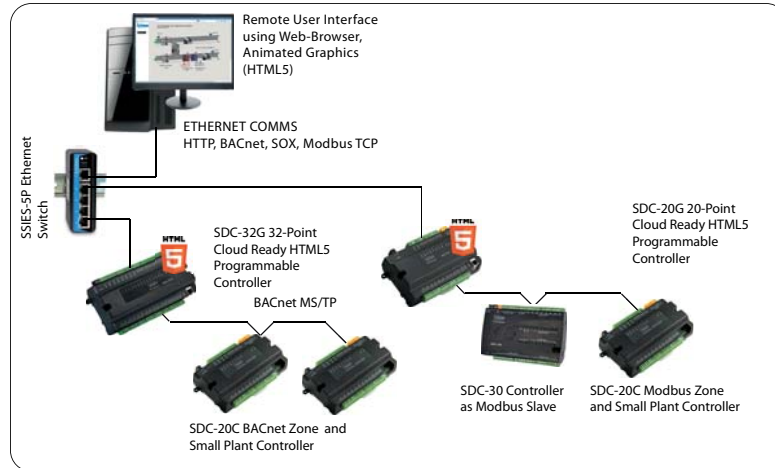
### Features

- Programmable Zone Controller using Sedona Framework
- 12 Universal Inputs, 4 Digital Outputs and 4 Analogue Outputs
- ARM M3 Cortex Processor
- BACnet MS/TP Support
- Modbus,RS485 RTU Support
- DIN-Rail or Wall Mounting, 24VAC/DC Power

Model Type	Model	Description
	<b>SDC-20C</b>	Sedona BACnet/Modbus Zone Controller, 20 Inputs/Outputs
<b>Technical Data</b>	Power Supply	24 VAC +/-5% or 20VDC ~34VDC
	Power Consumption	<11VA (500mA at 24VAC/VDC)
	Universal Inputs	12 x Universal Measurement Inputs - Voltage 0..10V (+/-0.01V) - Current: 4..20mA (+/-0.01mA) - Resistance: 0..30kOhm (+/-50Ohm); 0..10kOhm (+/-50Ohm); 0..1000 Ohm (+/-1 Ohm) - Digital; volt-free
	Digital Outputs	4 x 24VAC/DC SPST Relay Outputs, 2A
	Analogue Outputs	4 x Analogue Outputs; 12-bit DAC - Voltage 0..10V - Current Mode 4..20mA
	Serial Port 1	EIA-485 (BUS A, B) Two Wire, Half Duplex - Modbus 9K6/19K2/38K4/57K6/115K2, 8 Data Bits, None/Even/Odd Parity - BACnet 9K6/19K2/38K4/76K8, 8 Data Bits, Parity None
	Serial Port 2	EIA-485 (BUS A, B) Two Wire, Half Duplex - Modbus 9K6/19K2/38K4/57K6/115K2, 8 Data Bits, None/Even/Odd Parity
	Operating Temp	0..65°C, 10..95%rh non-condensing
	Storage Temp	-20..+65°C
	Operating Humidity	10..95% rH non-condensing
	Enclosure	IP20, UL94 ABS
	Mounting	DIN-rail mounting
	Terminals	High quality spring-cage terminal blocks
Dimensions	W198 x H104 x D46mm	

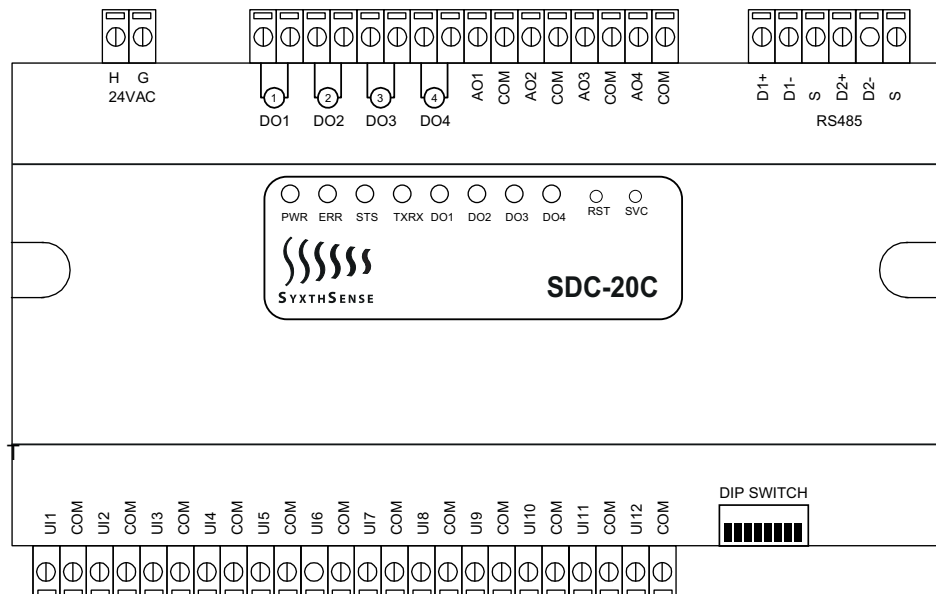
Weight 410g

**SDC-20C Controller Networking**



**SDC-20C Controller Wiring Diagram**

Please consult the below diagram for the wiring details.



Notes: JACE, Sedona Framework and Niagara Framework are Trademarks of the Tridium Inc. In the view of a constant development of their products, the manufacturer reserves the right for changing technical data and features without prior notice. The consumer is guaranteed against any lack of conformity for 24 months from the time of delivery, according to the European Directive 1999/44/EC. The full text of guarantee is available on request from the seller.