

DDC (Signal Aggregator)



Device Features

- Rugged Body
- Sleek design
- Easy handling and installation
- 16 Digital Inputs
- 8 Analog Inputs
- 8 Digital Outputs
- RS-485 communication
- Modbus RTU
- Programmable Slave IDs
- Compatible with RTUs communicating over Modbus RTU.

Athenta DDC is an Add-on card for Analog and Digital Input & Output interface. It is used to integrate with the field devices by extending their digital / analog outputs through it.

This card can be interfaced with any device/MODEM through RS-485. It has a micro-controller based design which is programmed to integrate with the DI/DO/AI input and output points.



DDC (Signal Aggregator)



Benefits

- Can extend extra alarms without disturbing present system
- Minimizes the use of interfacing cabling cost as it is designed to sit very close to the device to be interfaced.
- High MTBF, hence very less failure rates
- No maintenance

Electrical Specifications:

Operating voltage	12 VDC (Optional with 48 VDC)
Power consumption	<10W
Alarm Inputs (Digital in the form of PFC)	16 nos. of digital alarm inputs (user configurable) from various Passive infrastructure equipments (PMS, SMPS, DG, Door, Fire, AC.)
Alarms Inputs (Analog)	8 No's of Analog alarm inputs(RMT, Humidity, Fuel sensors)
Alarms outputs (Digital)	8 No's of digital alarm outputs
Processor	PIC 16F1939
	CPU: 8 bit Processor
	ADC: 14 Channel-10 bit
	EEPROM: 256 Byte internal
	Flash: 16K byte
	RAM: 1024 Byte
Speed: 32 MHz	
Communication	RS485 – Modbus Communication with RTU.

Mechanical Specifications

Approx. Dimensions (WxHxD)	170mm x 110mm x 40mm
Weight (Approximate)	0.3 kg
Material	CNC Fabricated Panel ,using CRC sheet, duly power coated
Mounting Type	Wall mountable
Opening	Top cover
IP protection	IP 20

Environmental Specifications

Operating Ambient Temp	-5 °C to +55 °C
Storage Temperature	-40°C to 80°C
Relative Humidity	95% RH (Non- condensing)

Performance Specifications

MTBF	70,000 hours
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About Athenta

Athenta is an Infrastructure Management product company that offers state of the art, next generation products for comprehensively & cohesively managing all aspect of your Infrastructure – IT, Building, Industrial Controls and Energy.

Athenta Products help to optimize operational expenses, enhance customer experience, improve profitability & reduce your carbon footprint, in a cost-efficient manner.

For more information:

www.athenta.com

Email: info@athenta.com