

deltadue® series



DIN Rail Control and Acquisition Modules with DeviceNet, Profibus, and Modbus Fieldbus Connections

With over 30 years experience, ASCON is a leading Italian company in the design and manufacture of instruments and controls for processing and manufacturing industries in food & beverage, plastics, ceramics, packaging, automotive, rubber, pulp & paper, chemical and pharmaceutical applications. ASCON is proud to present the new **deltadue®** DIN Rail mounting modules dedicated to temperature control and data acquisition.

Easy to Use Modular Multiloop
Common Power and Communication Bus
Relay, Traic, Logic, and Analog outputs

Stand-Alone Controllers
Single and Dual Loop Modules
PID, On/Off, and Valve Position Control

Single Loop Integrity
With Multi-Loop Functions
Heat Only and Heat/Cool Outputs
Current Transformer Inputs

Data Acquisition Modules
1-2 Universal Analog Input
6 in & 2 out Digital Module
Transmitter Power Supply

Easy Hot-Swappable
Removable Terminal Plugs
Parameter Backup and Self-Restore

Ready-Made HMI
Self-Configuring SCADA
Self Configuring Operator Panel

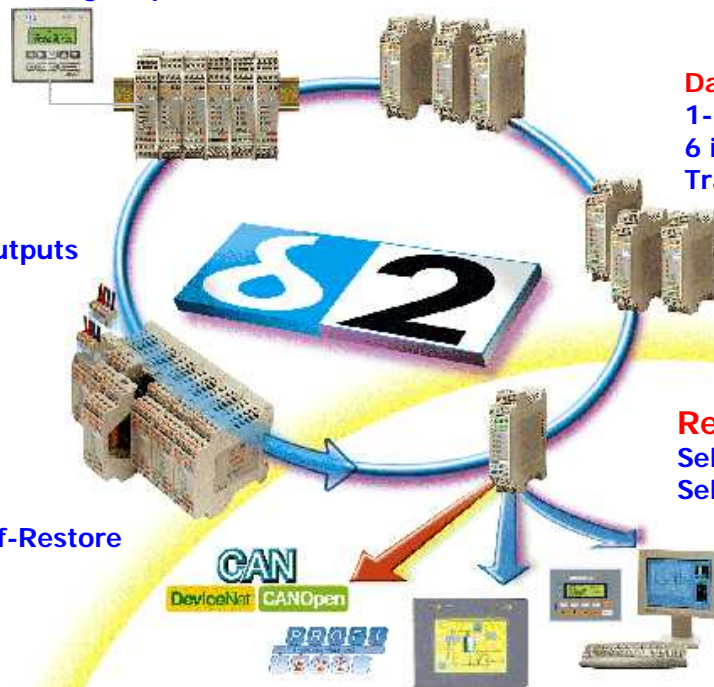
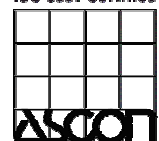
Open and Easy Fieldbus Connection
DeviceNet, Profibus, Modbus, CANOpen

Choose the best configuration for your application by adding only the loops and modules you need!!

Common features:

- Universal analog inputs for thermocouples, RTD, mA, mV and custom signals
- 24 Vdc power supply and RS485 Modbus RTU on the Common Internal Power Bus
- Easy mounting on standard DIN rail
- Hot-Swappable with removable polarized terminal plugs
- Three year warranty- UL/cUL/CE

ISO 9001 Certified



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Configuration Examples:

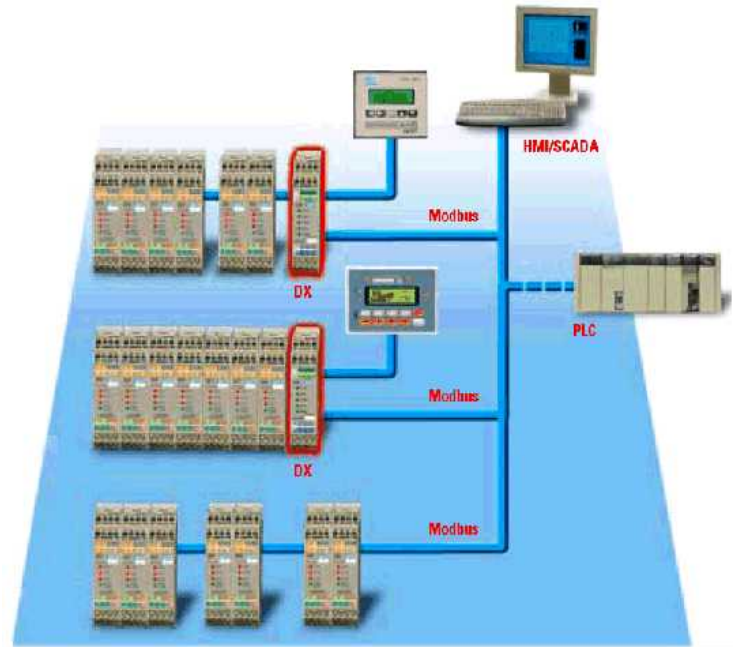
Modules can be centrally located or distributed along the machine to control and acquire process values.

An ASCON Operator panel can manage the module parameters by using Modbus Protocol.

The DX Manager serves as a gateway module allowing an additional supervisory system (second Master) to manage the module data. Alternatively, a PLC can communicate with the modules through standard fieldbus connections.

Up to 32 single or dual loop modules can be connected to a single DX Manager for configuration and parameter backup.

DX available with DeviceNet, Profibus DP, Modbus, and CANOpen.



Available Modules

Temperature/Process Control Modules	
D1	Single loop Heat/Cool Temperature Controller Universal analog input, 1 digital input, up to 3 alarm outputs, current transformer, start-up timer functions
D2	Dual loop Temperature Controller Two isolated universal analog inputs, 1 digital input, up to 4 configurable alarm outputs
D3	Single loop Heat/Cool Temperature/Process Controller with analog output Universal analog input, 1 digital input, up to 3 alarm outputs, analog output for control or retransmission, servomotor output control, start-up timer functions
Data Acquisition and Transmitter Modules	
D7	Analog acquisition, alarm threshold and transmitter module Universal analog input, 1 digital input, up to 2 alarm outputs, analog output for retransmission
D8	Digital I/O module 6 digital inputs, 2 digital outputs
D9	Two channel analog data acquisition module Two universal analog inputs, 1 digital input, up to 4 configurable alarm outputs
Manager Gateway	
DX	Manager and Gateway Module Backup and self-restore parameters and configuration of the other Deltadue modules Gateway to Modbus, Profibus-DP and DeviceNet

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