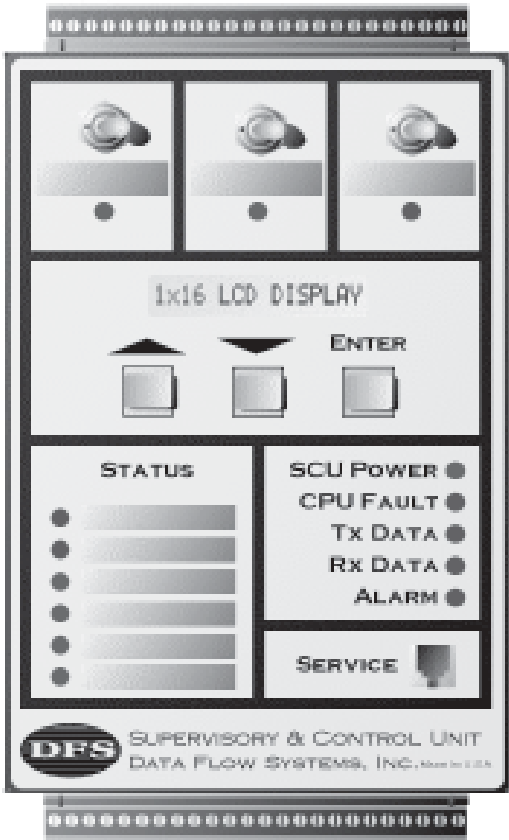


SUPERVISORY & CONTROL UNIT



Description

The Supervisory & Control Unit (SCU001) is a microprocessor based general purpose device designed as a stand-alone unit. It contains the necessary features to control up to 6 output devices, monitor 12 digital input devices and 2 analog input devices. The unit is also equipped with a 24 VDC, 100mA bias voltage. It may be used for non-intelligent monitor and control functions from a central site computer or it may be programmed with the optional PLC BASIC interface. When used as a PLC, it can also be a radio system master and communicate with other SCU's. It also provides a telemetry interface compatible with the Data Flow Systems TACII Telemetry Systems.

Features

Input Type

- 12 digital inputs for level or pulse input.
- 2 12 bit "bank isolated" analog inputs.

Outputs

- 6 digital outputs - 4 Solid State and 2 contact closure, 1 NO and 1 NC.

General

- 100 mA bias.
- Battery back up operation.
- Appears to TACII as 1 DMM002 module, 1 DCM001 module and 1 AMM module.
- 1200 baud communication

Full PLC function option

- Industrial Basic Programmable
- Remote SCU polling of up to 15 other SCU's via radio for small point-to-point systems.
- Program stored in Non-Volatile Memory
- 30 Kbytes Program memory
- 20 Kbytes Data memory
- Battery back clock synchronized by telemetry
- LCD display available to Basic
- 3 key keyboard available to Basic
- HOA's available to Basic
- RS232 ASCII Modbus poller
- 9 Programmable LED's
- 3 three position toggle switches available to Basic

Connectorized Wire Terminals

- Two industry-standard 24-pin terminal connectors allow servicing, replacement or upgrading of the SCU to a PCU or TACPak without rewiring the control panel.

Mounting Options

- The SCU can be mounted flush to the panel door or inside the panel.

UL Listed

Specifications

Box Dimensions	5.75" X 8.75" X 2.50"
Analog Input	4-20mA @250ohm/1-5V @100Kohm
Digital Input Voltages	10 - 30 volts AC/DC 30 - 300 volts AC/DC with voltage reducers
Input Protection	M.O.V., Transorb, and Opto-isolated
Digital Input Impedance	5K ohms
Power Consumption	20 Watts
Supply Voltage	115VAC (230VAC factory opt.)

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