

Industry standard protocols such as MODBUS are available.

The RTU database is held in Battery Backed RAM ensuring integrity during power failure.

### 🔯 Inputs / Outputs

As standard the Midi8 has 16 optically isolated digital inputs (DINS), 8 isolated differentially selected analogue inputs (AINS) and 4 single pole relay digital outputs (DOUTS).

The analogue inputs can be configured to accept either 4 to 20mA or 0 to 10Vdc; the digital inputs can be configured for internally or externally powered contacts.

The Midi8 also has a small number of internal I/O points for self monitoring and control. Further I/O can be achieved by using expansion cards or slave RTUs.

### Communications

As standard the Midi8 has 2 serial ports, one is used for the main communications interface via a modem. The second serial port is available for local

interrogation or connection to a Sitewatch LAN. A maximum of 16 RTUs can be interconnected on the Sitewatch LAN.

The Midi8 supports connections including RS-232; RS-485; Ethernet (TCP/IP); Public Switched Telephone Networks (PSTN); Cellular Networks (GSM); GPRS.

## **O** Physical Interconnection

All field interconnections (ains, dins and douts) and the Sitewatch Local Area Network (LAN) are made by screw terminals located within the RTU enclosure.

# Q Power Supply

230/115 VAC uninterruptible mains power supply (Lee-Dickens UPS100)

D.C. powered option available

### O Dimensions

The Midi8 RTU is supplied in a robust polycarbonate enclosure with a hinged lid, LCD and Keypad. The RTU is 380mm (h) x 185mm (w) x 130mm (d) with fixing centres 354mm (h) x 164mm (w)

## Typical Applications

Small SCADA systems:

 Environmental Monitoring
 Water Industry
 ATC Applications
 Gas & Oil Industry
 Chemical Industry
 VMI Systems
 Internet Based Remote Monitoring:
 Silo & Tank farms
 Wind farms
 Pumping Stations

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