

Lantronix UDS-10 (CoBox)

supporting network communications
(with Sielox Firmware B03.54 or greater)

Sielox

Maximize flexibility for multi-site systems with the ability to communicate between the Command Center and Sielox controllers via existing network infrastructure.



The UDS-10 CoBox Interface features a universal thin server that provides network communications capability to all Sielox controllers. The CoBox Interface allows the command center to communicate with main controllers using a standard 10Base-T Ethernet connection.

Flexible and cost-effective

The UDS-10 CoBox adds a new dimension of benefits. Supporting Ethernet LAN/WAN configurations, it allows Sielox controllers to communicate to the Command Center over the existing network infrastructure. This is a valuable tool when dedicated cabling, fiber optics or modems are impractical. For implementation of multi-site systems, it's a cost effective installation option. Customized firmware provides optimized communication with minimal network impact.

Standard components and connections

Each UDS-10 CoBox device interfaces via a standard RS-232 connection to the command center. Main controllers interface to a standard Ethernet drop, using a static IP address.

Configuration of the CoBox Interface is accomplished simply by using terminal emulation software to access the embedded setup options through the built-in RS-232 serial port. Each CoBox Interface also features Flash ROM, which permits simplistic field upgrading of the embedded operating code.

The industry's most intelligent access control

The UDS-10 CoBox Interface provides maximum flexibility when installing Sielox controllers for communications with the Command Center. For configuration of today's most intelligent and reliable access control systems, look to Sielox Access Control.

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- **System Software:**

- Flash ROM standard; new software can be downloaded via the serial port

- **Diagnostic LEDs:**

- Network: Transmit Data, Receive Data, Good Link, Collisions (Ethernet only)
- Serial Ports: Channel status, fault indicator

- **Compatibility:**

- Ethernet: Version 2.0/IEEE 802.3

- **Power Requirements**

- External adapter included as 110 VAC (-01 models) or 230 VAC (-02 models)
- Required input power of 9-30 VDC @250mA max.

- **Environmental:**

- Operating Temperatures: 5 to 50C (41 to 122F)
- Storage Temperatures: -40 to 66C (-40 to 151F)

- **Physical Dimensions (H x W x D):**

- .09 x 2.5 x 3.5 in.
(2.3 x 6.4 x 9.0 cm)
- Weight: 8 lbs. (.35kg)

Product Specifications

Protocols Supported:

ARP, UDP, TCP, Telnet, ICMP, SNMP, DHCP, TFTP and HTTP

Ports:

Network – RJ45(10Base-T) and AUI Ethernet
Serial – DB25 serial port, DTE configuration

Network Bandwidth Usage:

37,000 bps max. (0.4%) 10Base-T (master/slave polling architecture; not broadcasting)

Serial Line Formats:

Characters: 7 or 8 data bits
Stop bits: 1 or 2
Parity: odd, even, none

Modem Controls:

RTS, CTS, DSR, DCD, DTR

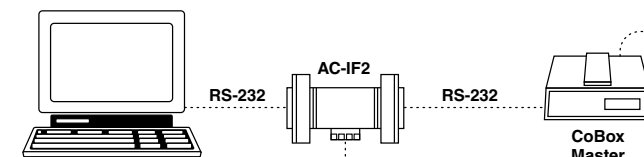
Flow Control:

Xon/Xoff
RTS/CTS
None

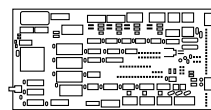
Management:

Via serial port

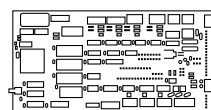
Pinnacle™ and Threshold Enterprise™



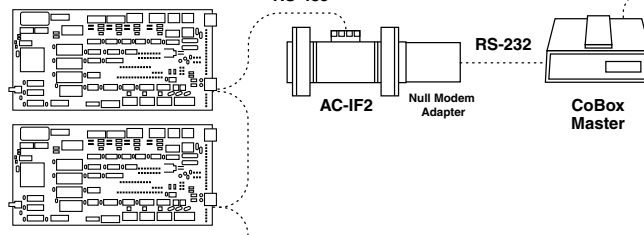
Local Main Controllers



Single Main Controllers



Multiple Main Controllers



Sielox

Sielox
170 E 9th Ave
Runnemede, NJ 08078

800-424-2126 Toll Free
856-939-9300 Phone
856-939-9309 FAX
www.sielox.com

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