



## SLTA-10 SERIAL LonTalk® ADAPTER

### SPECIFICATION DATA



### GENERAL

The Serial Interface, or Serial LonTalk® Adapter (SLTA-10), provides communication between the LONWORKS® Bus (E-Bus), and a PC using an EIA-232 (previously called RS-232) port or an approved modem. The SLTA-10 Q7760A2001 works with Light Commercial Building Solution and the Excel 10 series 2000 family of controllers. It interfaces with LONSPEC™, LONSTATION™, LONSTAT™, and E-Vision software packages. The SLTA-10 Q7752A1011 works with the Excel 10 VAV1 series 1000 controller and interfaces with LiveCare software.

There are two separate firmware images in the SLTA-10 adapter. These images each have different link layer protocols, network drivers, buffer capacity, and functionality. The two modes are SLTA-10 NSI mode and SLTA-10 MIP mode. An externally accessible DIP switch controls the mode of operation.

In SLTA-10 MIP mode, the SLTA-10 is a replacement for the SLTA/2 Serial LonTalk adapter, with an improved form factor. The network connector on the SLTA-10 is the orange removable screw terminal instead of the RJ-45 used on the SLTA/2 adapter. The SLTA-10 input power options include 9 to 30 Vac or Vdc, or a 9 Vdc power supply. The SLTA-10 configuration DIP switches are accessible externally. The SLTA-10 enclosure has been improved to allow wall mounting without a bracket.

### FEATURES

- Serial EIA-232 interface connects host processors and modems to LONWORKS® networks.
- 1,200 to 115,200 bps serial bit rate with autobaud detection.
- Uses LONWORKS network protocol.
- LONWORKS communicates through a 78-kilobaud transformer-coupled transceiver.
- Transformer-coupled communications interface for higher degree of common mode noise rejection while assuring dc isolation.
- Integral FTT-10A for model Q7760A2001 or TPT/XFD-78 for model Q7752A1011 transceiver.
- Color-coded, removable screw terminals for network and power wiring.
- Configuration DIP switches accessible without opening chassis.
- 9 to 30 Vac or Vdc power input using removable screw terminals or a 9 Vdc barrel connector.
- Metal enclosure for desk or wall mounting.
- User-selected error message language.
- CE Mark, UL, cUL, and TÜV approved.
- Automatic dial-out with compatible modem for supported applications.
- Software drivers for Windows® 98, Windows® 95, and Windows 3.1x operating systems.

### SPECIFICATIONS

The SLTA-10 is a one-piece, externally wired device. The SLTA-10 can be hardwired to the LONWORKS network or connected (using part number 32000180-009 Portable Operations Kit) to the LONWORKS port on Excel 10 Controllers, Excel 15 Controllers, Q7300H Communicating Subbases, or wall modules. Part number 32002517-001 Modem Installation Cable allows the SLTA-10 to connect to an approved modem.



**Supported Applications:**

LONSPEC, LONSTATION, LONSTAT, E-Vision, and CARE.

**PC Card Specification:**

SLTA-10 Serial LonTalk Adapter.

**Processor:**

Echelon® Neuron® 3150 Chip.

**Processor Input Clock:**

10 MHz.

**Transceiver:**

FTT-10A or TPT/XFD-78, depending on specific model.

**Modem Connection Software:**

Host Connect Utility (HCU) DOS application with source code.

**Network Connector:**

Weidmüller 2-conductor BLA.

**Bus Polarity:**

Polarity insensitive.

**Power Polarity:**

Polarity insensitive.

**Operating Input Voltage:**

9 to 30 Vac or Vdc, or wall mount 9 Vdc power supply.

**Operating Input Current:**

250 mA typical.

**Power Supply:**

9 to 30 Vac or Vdc, or 9 Vdc power supply using removable screw terminals or a 9 Vdc barrel connector.

**Service Interface:**

Service switch and LED.

**Serial Port:**

EIA-232 (formerly RS-232).

**Serial Bit Rate:**

1200, 2400, 9600, 14.4K, 19.2K, 38.4K, 57.6K, and 115.2K DIP switch selectable.

**Serial Connector Type:**

Female DB-9.

**Host Interrupts:**

One (under control of socket services software).

**Neuron Chip Service Pin Function:**

Service pin message controlled by host.

**Configuration State:**

Externally displayed and accessible.

**Temperature:**

Operating: -40°F to +185°F (-40°C to +85°C).

Non-operating: -40°F to +185°F (-40°C to +85°C).

**Humidity (non-condensing):**

Operating: 25 to 95% RH at 50°C.

Non-operating: 95% maximum at 50°C.

**Dimensions:**

4.00 in. (101.6 mm) width x 5.44 in. (138.2 mm) length x 1.34 in. (34.0 mm) height.

**EMI:**

FCC Part 15 Level B and EN55022 Level B (PCB version designed to comply with FCC Part 15 Level B, EN55022B).

**Approvals:**

UL 145541 Volume 6, Section 4.

TÜV File/License E9672535/T9677495.

FCC mark for home and office. No ID.

CE Mark.

## APPLICABLE DOCUMENTS

SLTA-10 Installation Instructions, form 95-7511-2.

## ORDERING INFORMATION

**Available Accessories:**

Part number 32000180-009 Portable Operations Kit (includes 9 Vdc power supply and audio jack cable).

Part number 32002517-001 Modem Installation Cable (includes special null modem cable).

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