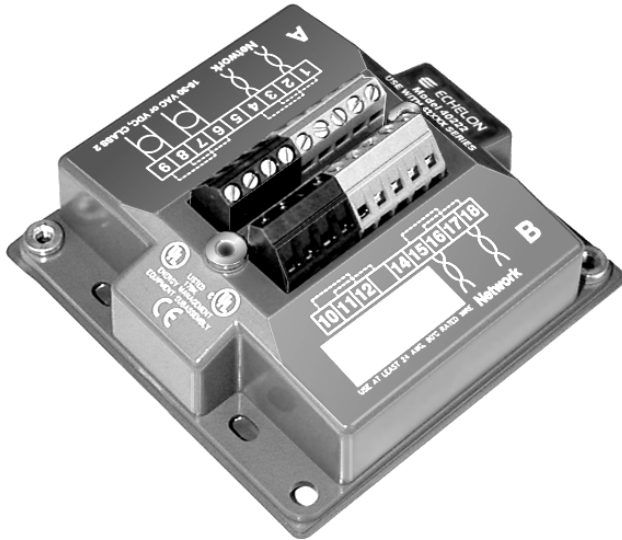


## Q7751A Router

**EXCEL5000** OPEN™  
S Y S T E M

### SPECIFICATION DATA



### FEATURES

- Physical isolation between two channels.
- Supports installation of larger networks.
- Uses LONWORKS network protocol.
- Two-piece design allows pre-wiring and cable testing prior to installation.
- Color-coded screw terminals and polarity-insensitive power and network connections minimize chance of incorrect wiring.
- Operates from 16-30 Vac or Vdc, allowing router to be powered from same source as sensors and actuators.
- Power and network wiring are looped through each base plate, providing uninterrupted network continuity if replacing router.
- Two front panel jacks that access the twisted pair network without requiring disassembly.
- Front panel bar code including model, revision, and two removable Echelon® Neuron® chip ID stickers.

### DESCRIPTION

The Q7751A Router doubles the bus length and the number of usable nodes on a LONWORKS® (previously called E-Bus) network. The Q7751A2010 has an FTT-10 transceiver. It is used on LONWORKS networks with the Excel 10 Series 2000 family of controllers. The Q7751A1012 has a TP-78 transceiver. It is used on LonWorks networks with the Excel 10 VAV1 Series 1000 controller.

### SPECIFICATIONS

The Q7751A Router is a two-piece design allowing prewiring and cable testing prior to installing the electronic component. The front panel includes a printed circuit board (PCB) with active electronics. The front panel also has a service switch, a power/wink LED, an activity LED, and two network connectors. Network and power are connected to screw terminals located on a type 2 base plate where the router is plugged. Wiring is never directly connected to a router.

**Power Supply**

The Q7751A Router requires 2 VA at an operating voltage of 16 to 30 Vdc or Vac. There is a power ON LED located on the front panel.

**Status Information**

Two service LEDs (channel 1 and channel 2) light to provide service request information for each segment. The Router Activity LED lights when transferring from one channel to another. Front panel has the Service Request button for broadcasting the Neuron ID on the network.

**Mounting Options**

The type 2 base plate mounts to either a U.S. 4 in. square, 2 in. deep (10.16 cm x 5.08 cm) electrical box, U.S. double gang electrical box or an IP-65 (NEMA 4) enclosure.

**Dimensions (HxWxD)**

3-15/16 x 3-15/16 x 1-3/4 in. (100.0 x 100.0 x 44.5 mm).

**Environmental Ratings:**

**Operating and shipping temperature**

-40 to +185°F (-40 to +85°C).

**Relative Humidity**

-10 to 95% at 122°F (50°C).

**Approval Bodies**

U.L. LP Router 146747, Volume 2, Section 1.

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