

# 2L Technologies

LonWorks® RTR-10

## Copper (Twisted pair) Router



2L Technologies have developed the next generation of LON (Local Operating Network) routers (and transceivers), for LonWorks® applications. 2L Routers implement all the LonWorks® functions, including: Configured Router; Learning Router; Bridge or Repeater. The routers use the open standard LonTalk® communications protocol on both copper ports.

2L Routers are a cost effective networking solution ideally suited to all applications, connecting copper twisted pair networks together for Control Network applications used in Building Management systems, and Infrastructure projects. 2L Routers are simple to install straight out of the box, and are fully compatible with all LNS based network management tools.

- Interconnect copper twisted pair LonWorks® nodes.
- Supporting RTR-10 1.25Mbps LonWorks® throughput.
- Simple installation, no network administration required.
- RoHS lead-free compliant.
- Operating temperature -40C to +80C.
- Humidity: 95% non-condensing
- DIN Rail and Panel mountable.
- Operating voltage: 10-50 VDC or 12-30 VAC.
- Lightning protection, Transient voltage suppression.

### **Installation**

Installation is easy and units are fully compatible with all LNS based network management tools. Connections are made via the two copper (Twisted Pair) ports.

Please contact us for further details. [support@2ltec.com](mailto:support@2ltec.com)

## **Ordering Information**

Contact us:     **email**   [sales@2ltec.com](mailto:sales@2ltec.com) or [support@2ltec.com](mailto:support@2ltec.com)  
                  **Phone** **+44 (0) 1603 504 222**

Part Number Format – 2LA-B-C-D

Example Part Number - 2L9-2-2-P

- 2L LON<sup>®</sup> RTR-10 Router Box with two Copper LonWorks twisted pair interfaces (TPX)
- Left Copper Port - TPT-XF 78kbps LonWorks<sup>®</sup> Twisted Pair Interface.
- Right Copper Port - TPT-XF 78kbps LonWorks<sup>®</sup> Twisted Pair Interface.
- Panel mounted.
- -40 to +80 operating temperature.

A = 9, 2L LON RTR-10 Router Box with :  
          two copper LonWorks<sup>®</sup> Twisted Pair interface (TPX)

### **Left Copper Port:**

B = 0, no selection.

B = 1, FTT-10 78kbps Free Topology LonWorks<sup>®</sup> Twisted Pair Interface.

B = 2, TPT-XF 78kbps LonWorks<sup>®</sup> Twisted Pair Interface.

B = 3, TPT-XF 1.25Mbps LonWorks<sup>®</sup> Twisted Pair Interface.

### **Right Copper Port:**

C = 0, no selection.

C = 1, FTT-10 78kbps Free Topology LonWorks<sup>®</sup> Twisted Pair Interface.

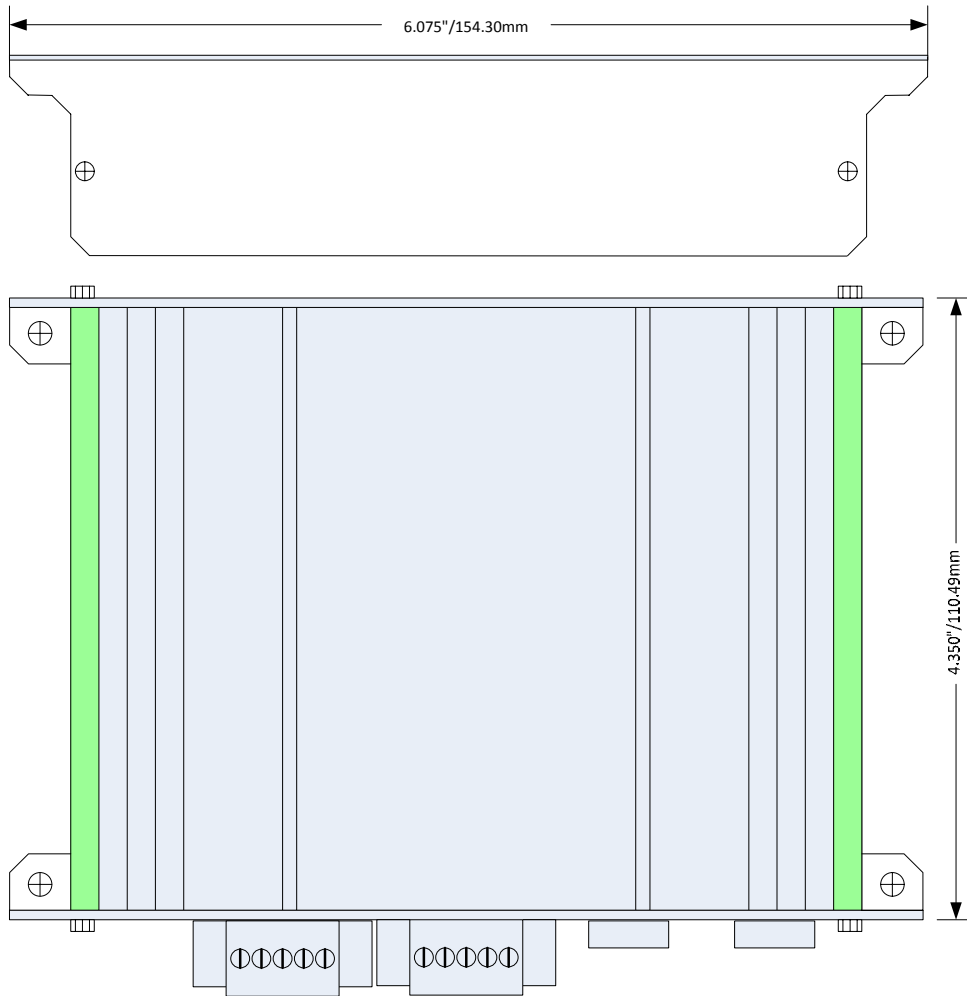
C = 2, TPT-XF 78kbps LonWorks<sup>®</sup> Twisted Pair Interface.

C = 3, TPT-XF 1.25Mbps LonWorks<sup>®</sup> Twisted Pair Interface.

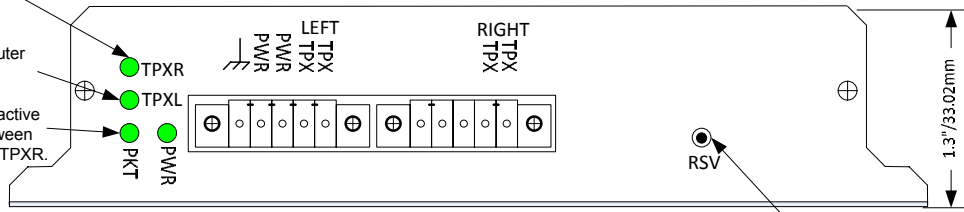
D = 0, no selection.

D = D, DIN Rail mount.

D = P, Panel mount.



- \* TPXR; 'Copper' "Near-side" router Neuron service LED Green.
- \* TPXL; 'Copper' "Far-side" router Neuron service LED Green.
- \* PKT; 'Packet' LED Green is active when packets are passed between both sides of router TPXL <-> TPXR.



Intelligent LON<sup>®</sup> Copper Router (RTR-10) to TPX (Copper).  
 Note: Optional DIN Rail mounting adapter available.