

# EC540

## Eaton's Cooper Lon Network Booster



The Lon Network Booster (EC540) is the solution to interconnect multiple EIA-709 channels.

This unit provides up to 5 ports and routes packets between these ports. In spite of its small size the (EC540) provides best class performance and flexibility in use.

In order to provide the optimal router configuration the (EC540) supports 2 to 5 ports as well as the 2 operating modes "smart switch mode" and "configured router mode".

### Smart Switch Mode

The plug and play installation capability of the (EC540) allows connecting it to the network without any further configuration. The smart switch technology automatically detects the bit rates of the connected channels, learns the configuration of the network (domains, subnet/node addresses, group addresses) and forwards the packets between the different ports of the (EC540).

### Configured Router Mode

In this mode the (EC540) behaves like a standard router. Network management tools must configure the router.

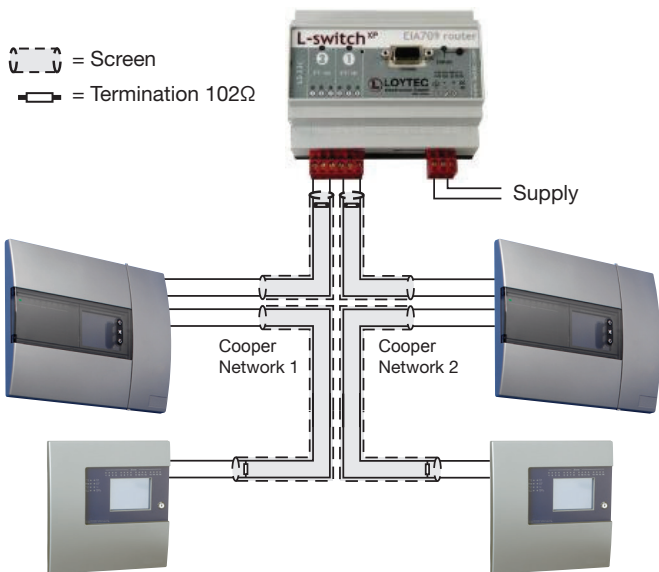
### Benefits

- Extends Cooper network
- Plug and play
- No configuration required
- Simple to use

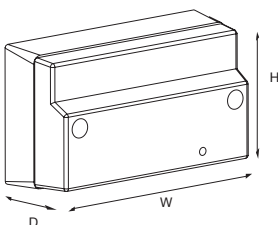
### Technical Specification

<b>Code</b>	<b>EC540</b>
Description	Lon Network Booster
Specification	
Operating Voltage	9V dc to 35V dc / 9V ac to 24V ac
Physical	
Dimensions (H x W x D)	60mm x 105mm x 86mm
Ingress protection	IP40 (enclosure) IP20 (screw terminals)
Installation	Dill Rail mounting or wall mounting

### Typical System Architecture



### Dimensions

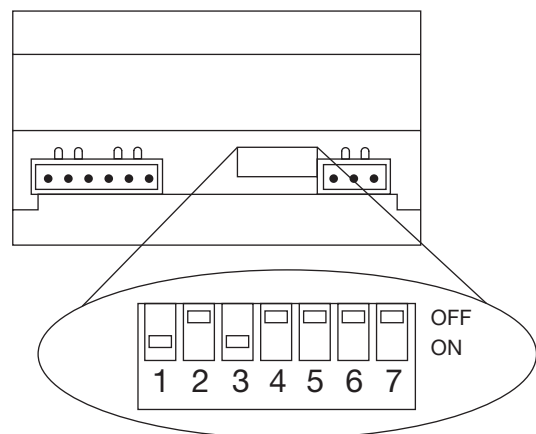


**H (mm) W (mm) D (mm)**

60 105 86

### DIP Functions

DIP1	DIP2	Function
ON	ON	Smart Switch Mode
ON	OFF	Repeater Mode
OFF	ON	Smart Switch Mode/Subnet Learning
OFF	OFF	Configured EIA-709 Router
DIP3		Function (RS-485 version only)
ON		Bit-Rate Auto Detection On
OFF		Bit-Rate Auto Detection Off
DIP4		Must be OFF
DIP5		Must be OFF
DIP6		Must be OFF
DIP7		Must be OFF



### Catalogue numbers

Description	Code
Lon Network Booster	EC540