COOPER Safety
Fire Systems

EN54

EC400 TCP/IP Interface

EC400 - TCP/IP Interface

Overview

The (EC400) is high performance, reliable and secure network infrastructure device for accessing Cooper Lon Network of intelligent addressable control panels over intranet or ethernet.

The EC400's built in configuration server manages up to 256 IP devices on 1 IP channel without a dedicated management PC.

This unit supports DHCP even with changing IP addresses in an intranet environment.

The easy to understand, diagnostic LED's allow installers to install and trouble shoot the device without expert knowledge and dedicated troubleshooting tool.

To connect the Cooper Lon network via intranet will require a minimum of 2 EC400's. The first EC400 must be configured as a "configuration server" and the second as a "client".
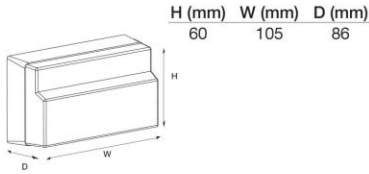
The EC400 when configured as a server requires the address list of all the EC400's IP addresses in the network.

Benefits

- Uses existing infrastructure
- Ideal for remote mounting when used with Cooper webserver software
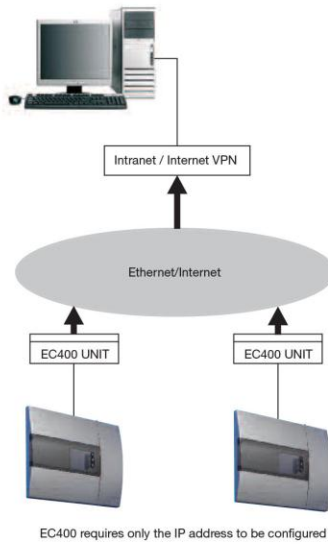- Easy to configure

COOPER

Dimensions

H (mm)	W (mm)	D (mm)
60	105	86

Technical Specification

Code	EC400
Description	TCP/IP Interface
Specification	
Operating Voltage	9V dc to 35V dc
Power Consumption	3W (typical)
In Rush Current	Up to 950mA at 24V ac
Environmental	
Operating Temperature	-0°C to +50°C
Storage Temperature	-10°C to 85°C
Operating Humidity	10 to 90% RH at 50°C (Non Condensing)
Storage Humidity	90% RH at 50°C (Non Condensing)
Physical	
Enclosure	DIN43 880
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

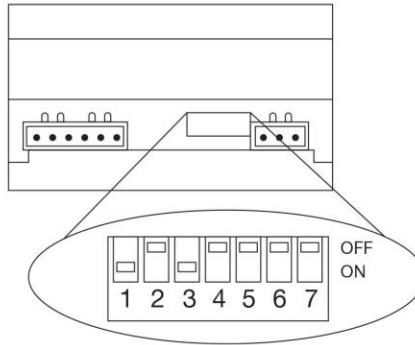EC400 requires only the IP address to be configured

DIP Functions

The EC400 has 7 switches to select the operating mode.

The EC400 must be configured to operate in a repeater mode, where all messages are forwarded regardless of the address format.

To put the EC400 into repeater mode, the following steps need to be performed.

DIP	Function
DIP1	Must be ON
DIP2	Must be OFF
DIP3	Must be ON

Press status button for at least 20 seconds.

Product Codes

Code	Description
EC400	TCP/IP Interface