Multilink Networking

Networking access control – the possibilities

► Question: Can Toplock systems be networked ?
► Question: Can I control or programme the system from more than one computer ?
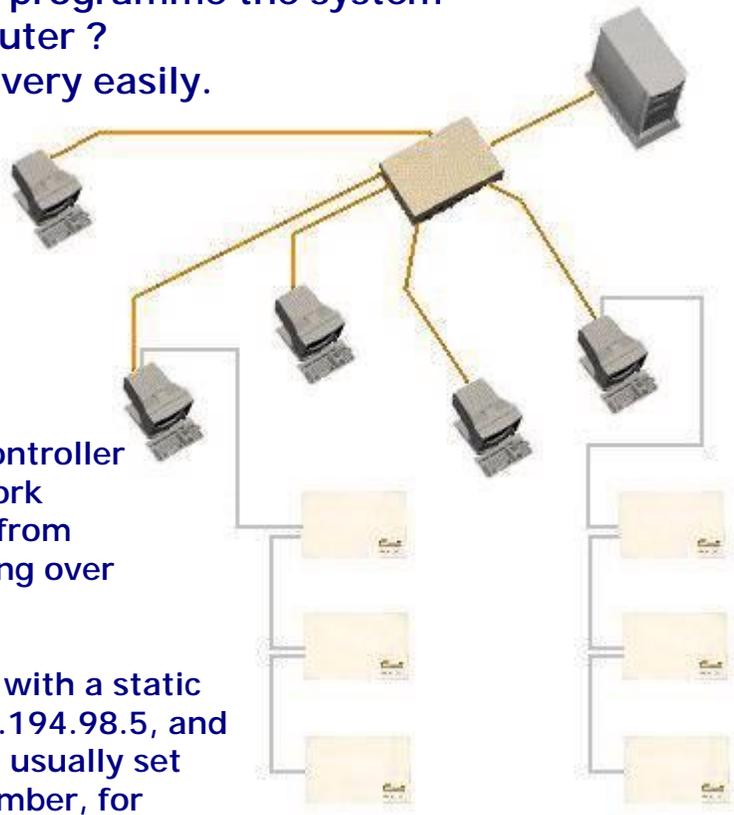► The simple answer is yes, very easily.

► How ?

The DDS TCP/IP interface option, installed to one Toplock D type controller and directly connected to a network allows you to control the system from anywhere on the network including over the Internet.

The interface is pre-programmed with a static TCP/IP address, for example 178.194.98.5, and is assigned a port number. This is usually set higher than a normal network number, for example 10001.

The access control software is then programmed with a controller network, which incorporates the assigned IP address. When placed on line the software communicates with the control system via the network instead of a communications port. The system is then polled and programmed in the normal way. The only limitation is the network speed.

Network bandwidth is not compromised. Following the initial download the only traffic on the line is 8 or so bits of information every now and then. It doesn't matter if communications are lost temporarily; the control system will hold any information and download it when the link becomes available.

Networking access control

► The EXT TCPT Interface.

So that the Toplock controller could be connected to a network it was necessary to design an interface which could be very easily integrated with the Toplock "D" type control systems. The EXT TCPT interface is the result and is the device that meets this criteria.

The EXT TCPT had a standard RJ45 socket, which very simply connects to a standard patch lead and then either a network port or preferably direct to a hub. Once installed the system is permanently connected to the access control software on the main computer.

To enable more than one controller to be connected the EXT TCPT is also designed so that it can connect up to 31 additional Toplock controllers via a secondary RS485 input/output

EXT TCPT interface. The RJ45 connector is top left.
The RS485 input out is top right.

Please note: The EXT TCPT can only be installed onto a Toplock D type control system.
Older Rev B & C controllers can be connected to the RS485 input/output of the interface.

Normally the EXT TCPT is supplied installed to a Toplock D type (JX or ZD) controller.

For more information please contact:

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