

Zero 88 Chilli Pro Power Switching and Dimming User Guide



Contents [[hide](#)]

[1 Connecting ChilliNet](#)

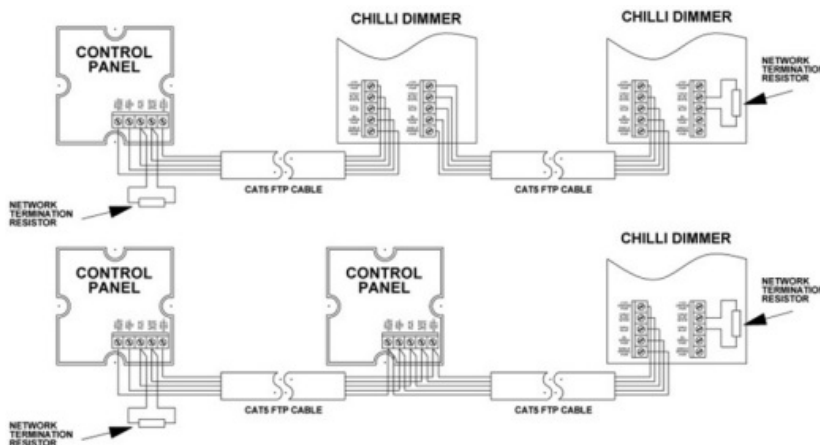
[2 Documents / Resources](#)

[2.1 References](#)

Connecting ChilliNet

Chilli Pro dimmers can be connected to Chilli Control Panels over ChilliNet. Other legacy ChilliNet devices are also compatible.

Each ChilliNet device has a set of network terminals or an RJ12 socket provided for connection to the Chilli network. The cable used to connect the various devices in the network must be CAT 5 (100MHz) FTP cable.



This is an example ChilliNet system, featuring Chilli Control Panels and Chilli Pro dimmers.

Network Connection

All network and control cables should enter the dimmer through the segregated route at the bottom of the dimmer.

Segregation between control data cabling and power wiring should be maintained for reasons of safety and noise immunity.

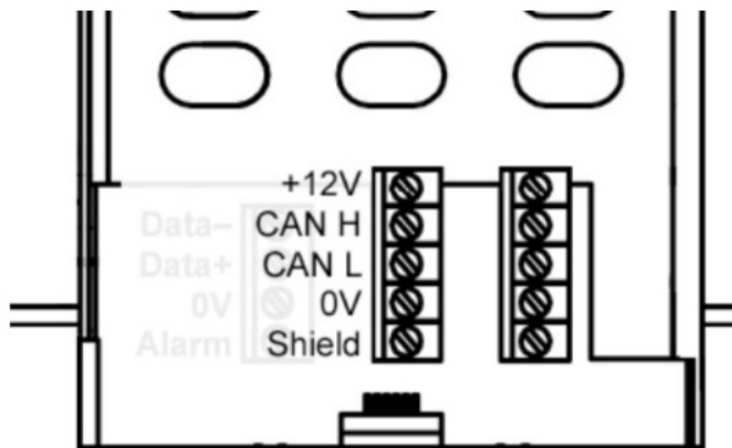
Control data cabling should be run in separate or divided metal trunking or conduits.

Where cables are run outside

trunking or conduits there should be 300mm separation between them and where they cross they should do so at right angles. All devices in the Chilli network must be connected in serial. The devices in the network can be wired in any order.

ChilliNet Terminals

Inside the dimmer, the terminals for network connections use two-part connectors. Pull the connector from the PCB, connect the wires from the CAT 5 cable and push the connector back onto the PCB, ensuring correct orientation.



The Chilli Net terminals are labelled with the recommended colours of the pairs in CAT5 cable, however Belden 1502 cabling may be used.

Function	Belden 1502 Colour	Equivalent CAT5/6 Colour
+12V	Red	Orange Pair
CAN H	White	White/Blue
CANL	Blue	Blue
0V	Black	Green Pair
Shield	Drain	Brown Pair

Termination Resistors

At the two ends of the Chilli network, a network termination resistor must be fitted. Each Chilli Dimmer is supplied with a termination resistor fitted. This resistor is 120 ohms, 0.25 Watt and is connected between the CAN-H and CAN-L terminals. This resistor must be removed, unless the dimmer is at either end of the Chilli network.



Documents / Resources

	Zero 88 Chilli Pro Power Switching and Dimming [pdf] User Guide Chilli Pro Power Switching and Dimming, Chilli Pro, Power Switching and Dimming, Switching and Dimming, Dimming
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References

- [User Manual](#)

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