DDPB22RJ12

Network Junction Box

features

- **22 x RJ12 networking sockets.** All network connection points are paralleled together.
- **1 x 5 way network screw terminal.** Common with all RJ12 sockets.
- **Allows for Dynet network to be run in a star topology**
- **Enclosure is DIN Rail Mount with Circuit Breaker Profile**
- **Simple Installation -** DIN Rail mount facilitates installation. All connection terminals are accessible without disassembly

To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. Do not energise unless the front cover is in place. This device must be earthed. Installation, programming and maintenance must be carried out by qualified personnel.

Warning – This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

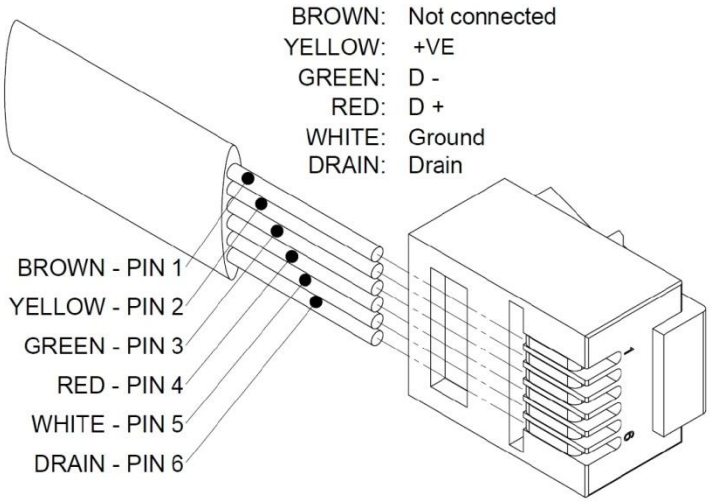
Read Instructions – We recommend that you read this Instruction Manual prior to commencement of installation.

Power Sources – This device should only be operated from the type of supply specified on the front cover. This device *must* be earthed.

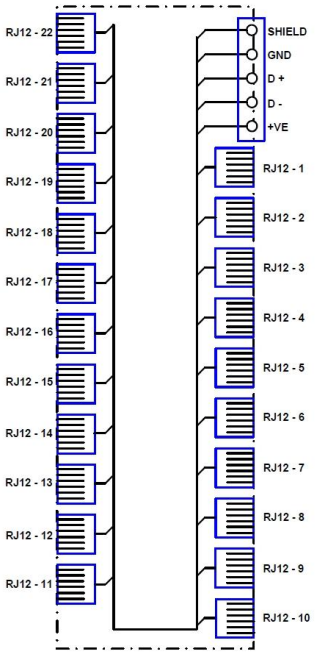
Mounting Location – Install in a dry, well-ventilated location. Controllers may emit some mechanical noise. Take this into account when deciding the mounting location.

Data Cable – For 5 way screw terminal use screened, stranded RS485 data cable with three twisted pairs. For RJ12 sockets use Flat 6 way cable. Segregate from mains cables by 300mm minimum. Connect on to other network devices in a 'daisy chain'. A data cable that is connected to an energised device is live. Do not cut or terminate live data cables.

RJ12 Plug Connection diagram



Electrical diagram



installation steps

1. Mount the device on a DIN rail inside an approved enclosure.

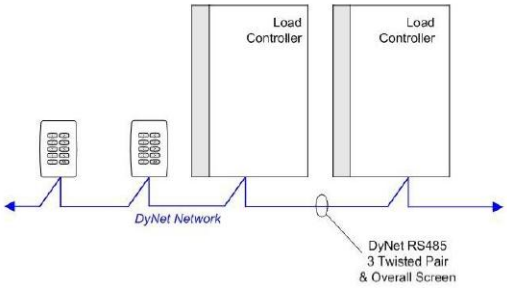
2. If a CAT5 network cable is being used on site terminate in the 5 way screw connector as shown bellow.

3. When connecting flat cable, ensure that the recommended wiring connection is followed crimping on the RJ12 socket, Re check the wire colours after crimping the RJ12 socket to ensure wires have located correctly on the right plug pins.

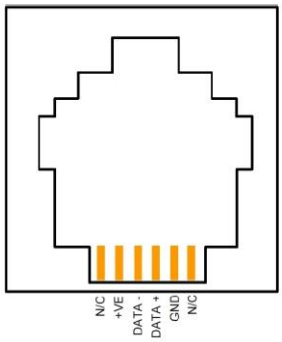
4. Plug RJ12 into any one of the 22 RJ12 sockets. .

Connecting Data Cable

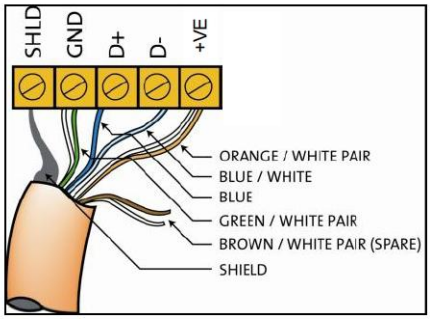
Connect Data Cable in a 'Daisy Chain'



RJ12 Socket Connections



Serial Cable Permanent Connections



Recommended Cable Colour Coding

Green/White Pair	paralleled for GND
Orange/White Pair	paralleled for +12V
Blue/White Pair	Blue for DATA+
	White for DATA-
Brown/White Pair	Spare, use for Shield on unshielded cable

Recommended Cable Types

Belden:	9503	M&M cable:	B9503CS
Garland:	MCP3S	Multicables:	AWME120236209220
Hartland:	HCK603	RS Components:	368-687
M&M Cable:	B2003CS	Dynalite:	DYNET-STP-CABLE
		Dynalite:	DYNET-SFLAT6-CALBE

product specifications

Network connections	22 x RJ12 network sockets, 1 x 5 way screw terminal
Compliance:	CE, C-Tick
Operating Environment:	0º to 50ºC ambient temperature, 0% to 95% RH non condensing
Construction:	Polycarbonate DIN rail enclosure, 12 units wide
Dimensions:	H 93mm x W 211mm x D 75mm
Weight:	Packed weight 0.94kg

Dynalite manufactured by WMGD Pty Ltd (ABN 33 097 246 921) Unit 6, 691 Gardeners Road Mascot NSW 2020 Australia Tel: +61 2 8338 9899 Fax: +61 2 8338 9333
E-Mail: **dynalite.info@philips.com** Web: **Philips.com/dynalite**