important notes

Data Cable – The recommended minimum grade of cable for connections to the serial port is screened, stranded RS485 data cable with three twisted pairs. This cable should be segregated from mains cables by a minimum distance of 300mm. If anticipated cable runs are over 600 meters, consult your distributor for advice. Do not cut or terminate live data cables. Recommended cable types include:

For screw terminal panels out side of USA:
Dynalite: DYNET-STP-CABLE **Belden:**9503 **M & M Cables:**B2003CS or B9503CS
Garland:MCP3S **Multicables:**AWM E120236 2092 20 **RS Components:** 368-687
For screw terminal panel in the USA:
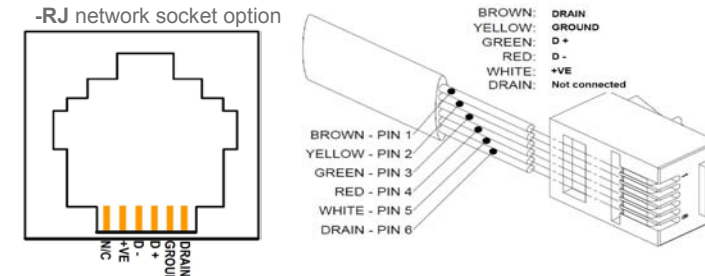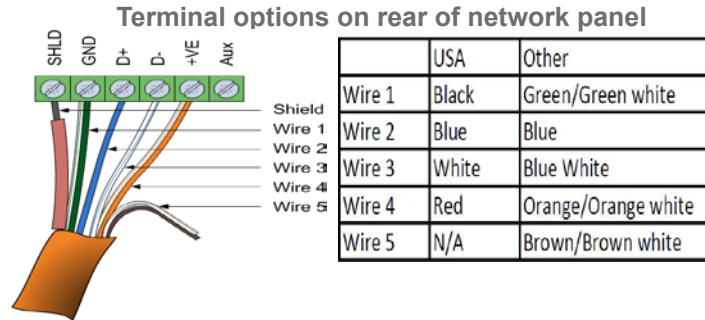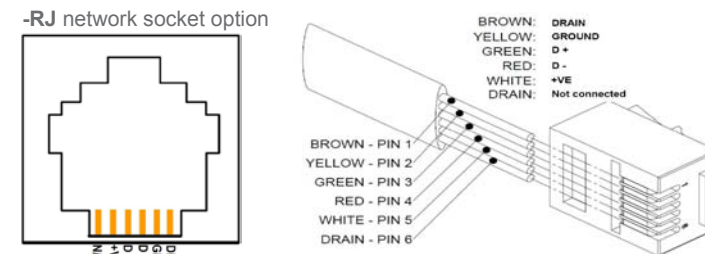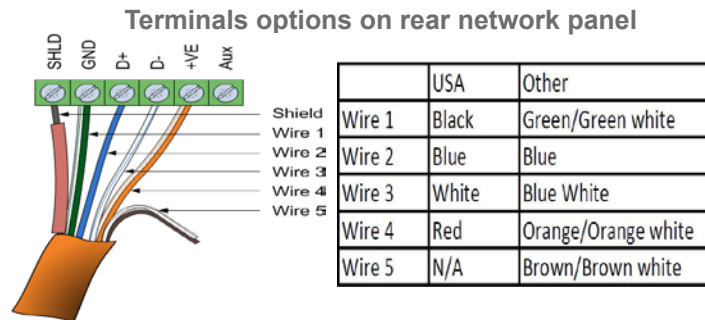**Belden**: #1502R or #1502P
For RJ12 socketed panels:

Dynalite:DYNET-SFLAT6-CABLE

Wall Boxes – To comply with local electrical standards, this product may be required to be installed into a metal wallbox (not supplied). Contact your distributor for details.

Special Programming – Once powered and correctly terminated, the control panel will operate in basic mode, turning all lights on from button one and all lighting off from button four. Other network panels will follow button press with their buttons indicating LED's if all network terminations are correct. Only once the full Dynet network is tested from each panel can commissioning process begin. Panel will need to be programmed with Envision commissioning tool. For commissioning contact your local distributor for details.

Programming Information – This manual is an installation guide only. For detailed programming information, contact your distributor or visit: **philips.com/dynalite**

Terminal options on rear of network panel

	USA	Other
Wire 1	Black	Green/Green white
Wire 2	Blue	Blue
Wire 3	White	Blue White
Wire 4	Red	Orange/Orange white
Wire 5	N/A	Brown/Brown white

-RJ network socket option

BROWN:	DRAIN
YELLOW:	GROUND
GREEN:	D +
RED:	D -
WHITE:	+VE
DRAIN:	Not connected

BROWN - PIN 1
YELLOW - PIN 2
GREEN - PIN 3
RED - PIN 4
WHITE - PIN 5
DRAIN - PIN 6

PHILIPS
dynalite

DLP, DL2P, DPN & DR2P
9 Series Panels Installation Manual Rev C

connecting data cables

●**WARNING** This is a Class 2 device and must only be connected to Class 2 wiring. To reduce the risk of fire or electric shock and to avoid damage to the unit, before installation or servicing, disconnect network & device power at circuit breaker. Do not expose this device to rain or moisture. Installation, programing and maintenance must be carried out by qualified personnel.

●Use screened, stranded RS485 data cable with three twisted pairs.
●Connect data cable to devices in a 'daisy chain' . Start at the first device, then loop in then out of devices, with a single cable terminating at the last device.
●When laying out the network cable it is recommended that spurs or stubs (X, Y, or T joins) be avoided. The first and last device should terminate one cable, all other devices should terminate two cables. Network devices may be wired in any order.
●Physical constraints may dictate that data cable spurs are necessary. In these cases, Network Bridges may be needed. Consult your distributor for details.
● The Data Cable should be segregated from any Mains Cables as per NEC. If the Data Cable has to cross over any Mains Cables, it should do so at a 90° angle.
●A data cable that is connected to an energised dimmer is live. Do not cut or terminate live data cables.

Connect Data Cable in a Daisy Chain

Recommended Connection Method

specifications

DLP, DL2P, DPN &DR2P 9 SERIES Smart Panels

Supply:
10 – 24 Volts DC from DyNet Network
50mA nominal

Operating Climate
0º to 50ºC ambient temperature
0% to 95% RH non-condensing

Serial Port:
RS 485 DyNet - 5 way terminal block or 2 x RJ12 socket
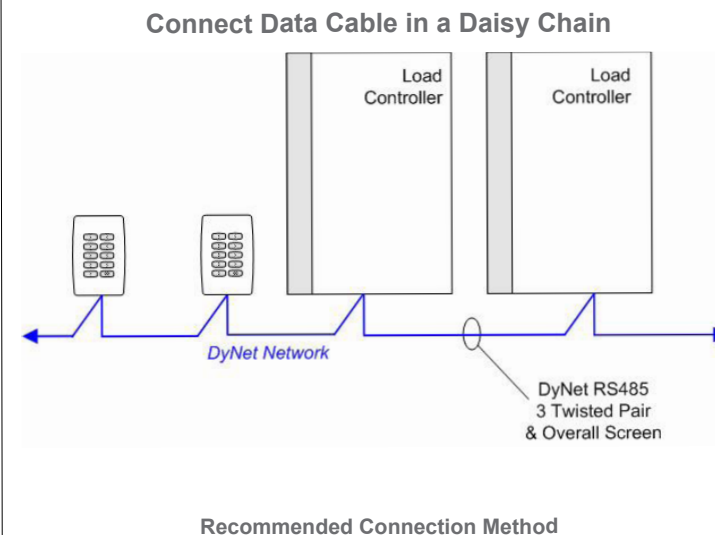
Compliance:
CE, C-Tick, Part 15 of the FCC, Class A Canadian Standard ICES-003, FCC, RoHS.

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