

The Philips Dynamalite DDNI485 is designed for cost-effective optical isolation of DyNet RS485 networks. The two opto-isolated RS485 ports enable the DDNI485 to implement a trunk and spur topology, with each spur being electrically isolated from the others so a fault in one section of the network will be contained. It is a "passive" device that does not require programming.

## technical data



### Supply

12V DC 30mA from the DyNet Network, fed via Port 1

### Control Ports

2 x RS485 DyNet/DyNet II serial ports

### Serial Port Isolation

2.5KV surge rated optical isolation between ports

### Serial Port Terminals

Port 1:

SHIELD, GND, D+, D-, +12V  
1 x 2.5mm<sup>2</sup> max conductor size  
1 x RJ12 socket for plug in connection

Port 2:

SHIELD, GND, D+, D-, +12V  
1 x 2.5mm<sup>2</sup> max conductor size  
1 x RJ12 socket for plug in connection

### Compliance

CE, C-Tick

### Operating Environment

0° to 50°C ambient temperature  
0% to 95% RH non-condensing

### Storage and Transport

-25 to 60°C ambient temperature  
0% to 90% RH non-condensing

### Construction

Polycarbonate DIN-rail enclosure (6 unit)

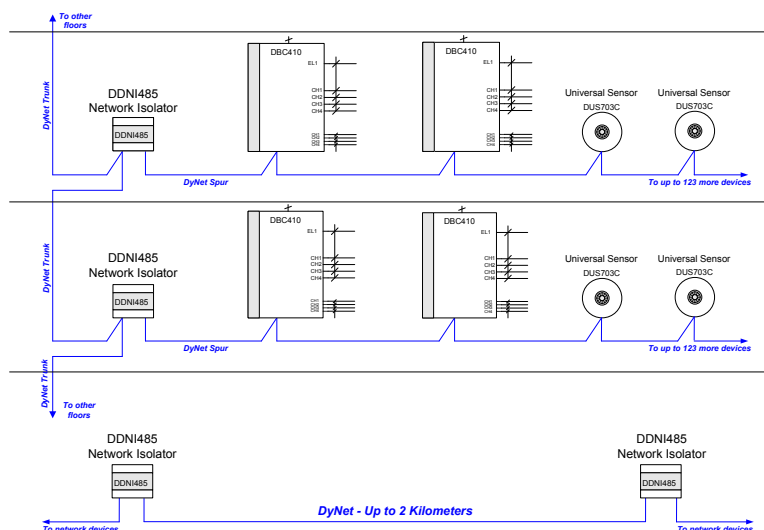
### Dimensions

H 93mm x W 105mm x D 75mm

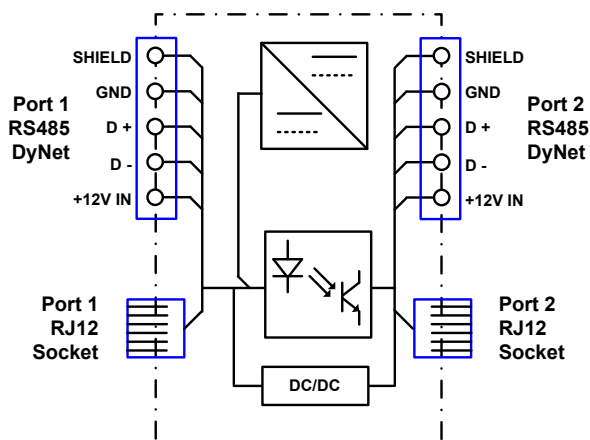
### Weight

Packed weight 0.2kg

## topology examples



electrical diagram >>>



mounting dimensions >>>

