

**Repeater 000221**

### Use of the application program

Product family: System components  
 Product type: Line coupler  
 Manufacturer: Siemens

Name: Line / Backbone coupler N 140/03  
 and N 140/13  
 Order no.: 5WG1 140-1AB03 resp.  
 5WG1 140-1AB13

### Functional description

This application program makes it possible to program up from the ETS2V11 the line/backbone coupler N 140/03 or N 140/13 as a repeater in order to configure more than 64 devices in one line. As shown in figure 1 up to three repeaters can be connected to one bus line thus enabling the connection of a total of 252 bus devices to the 4 segments of this line (additionally to the three repeaters). In addition, signals can be regenerated or amplified when a repeater is used in transmission paths across large areas.

When the line/backbone coupler is used as a repeater, its bus device number must be greater than 0.

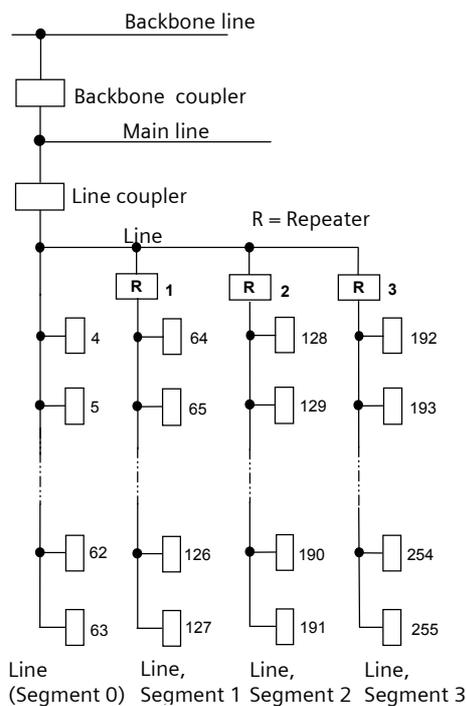
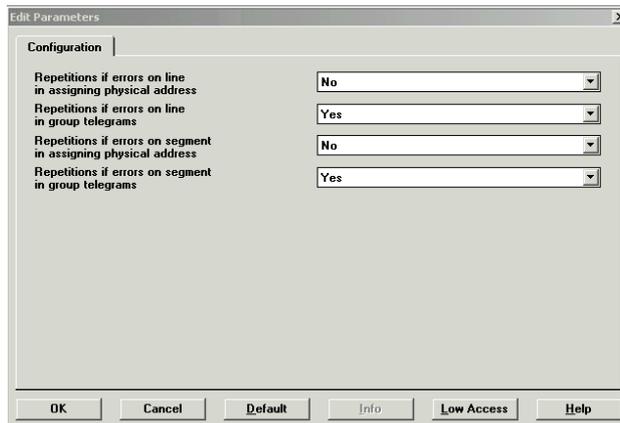


Figure 1. Connection of repeaters to a bus line

### Parameters

#### Configuration



#### Note

The settings printed in **bold** correspond to the factory settings (default values).

Parameters	Settings
<b>Repetitions if errors on line in assigning physical address</b>	Yes <b>No</b>
<b>Repetitions if errors on line in group telegrams</b>	Yes <b>No</b>
<b>Repetitions if errors on segment in assigning physical address</b>	Yes <b>No</b>
<b>Repetitions if errors on segment in group telegrams</b>	Yes <b>No</b>

A repeater receives telegrams via its line interface and transmits these telegrams via its segment interface or vice versa.

It is possible to specify separately for telegrams with assignment of a physical address and for group telegrams whether they should be sent again or not to the line or to the segment side if a telegram sent from the repeater was not answered by an acknowledgement.

*instabus EIB*

**Application program description**

November 2003

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**Spaces for notes**