sCAN version

Setup:
Special means for minimum, zero and maximum setting of the pointer are provided. The pointer rotation direction can also be changed.

Wiring of CAN version

Use strips to terminate cable shields to PCB to avoid noise (see the dashed circles in the diagram). Jumpers J1 and J2 are used as end resistors (terminations) of CAN 1 and CAN 2.

<table>
<thead>
<tr>
<th>Pin no.</th>
<th>Function</th>
<th>Note</th>
</tr>
</thead>
</table>
| GND     | CAN connection      | CAN 2 GND  
CAN 2 L input  
CAN 2 H input  
CAN 1 GND  
CAN 1 L input  
CAN 1 H input  
CAN 2 line/or for external switch for calibrating sCAN  
(See user’s manual)  
CAN 1 line (sCAN line)  
Supply voltage  
0 V  
24 V  
24 V<sub>dc</sub>  
0 V<sub>dc</sub>  |
| 9       | X4 connector        | Orange wire  
Brown wire  
Red wire  |
| 10      | illumination        | Dimmer potentiometer (10 kOhm)  
Wiper on the dimmer potentiometer |

After power-up, the LED will flash once or twice and is then turned off. If the LED keeps flashing, there is no communication on the CANopen lines. Default setup of the Baud rate is 125 kbit/s.

The cable screen must never be connected to earth.

In case the communication is interrupted because of noise, connect the cable screen to terminals 5 and 8 for dual CAN on all instruments in the loop; do not connect the two screens.
Mounting

Warranty label
If this label is removed or broken, the warranty will be lost.

Power-up the first time
When the indicator is without power, the pointer position is random.

The indicator is equipped with an amber LED lamp in the lower corner of the scale area. After power-up, the LED will flash once or twice and is then turned off.

When power is applied, the pointer will be out of control for a few seconds. This is normal operation.

Analogue version:
There is a “maximum” and a “zero” adjustment on the rear side of the XL part. These are normally sealed at delivery.

Wiring of analogue version
BRW-2 analogue input:
For guidance on how to adjust this version, refer to the user’s manual.

Connection interface board:

<table>
<thead>
<tr>
<th>Pin no.</th>
<th>Function</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply voltage</td>
<td>Consumption max. 150 mA</td>
</tr>
<tr>
<td>2</td>
<td>24 V</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Analogue input</td>
<td>Input 1 and GND used for single input. On</td>
</tr>
<tr>
<td>4</td>
<td>GND</td>
<td>4 to 20 mA, input 1 is CW and input 2 CCW</td>
</tr>
<tr>
<td>5</td>
<td>Input 2 (Cos)</td>
<td>Note: GND is mutual for inputs 1 and 2</td>
</tr>
<tr>
<td>8</td>
<td>NC</td>
<td>No connection</td>
</tr>
<tr>
<td>9</td>
<td>X4 connector illumination</td>
<td>Orange wire</td>
</tr>
<tr>
<td>10</td>
<td>Brown wire</td>
<td>Dimmer potentiometer (10 kOhm)</td>
</tr>
<tr>
<td>11</td>
<td>Red wire</td>
<td>Wiper on the dimmer potentiometer</td>
</tr>
<tr>
<td>A</td>
<td>Analogue adjustment</td>
<td>Max. and min. adjustment, sealed by label.</td>
</tr>
<tr>
<td>B</td>
<td>Min. adjustment</td>
<td>Placed on the back of the XL192</td>
</tr>
</tbody>
</table>