**Description of function:**

The hand lever valve HH5/2 is a 5/2 way piston slide valve with mounted priority valve VVZ for manual controlling the RWA- or ventilation cylinder OPEN / CLOSE. The valve can be controlled electric OPEN / CLOSE by electro add-on components (EA / EZ), whereby a add-on component can have optionally also priority over the other (EAV / EZV).

There is no manual operating possible as long as a add-on component is activated.

If there is a pressure on the connection CO2 which is higher than the min. release pressure, the priority valve VVZ switch, connect the input CO2 with the output CA and exhaust the connection CZ at the same time.

All ventilation operations are disable as long as the connection CO2 isn't exhausted and the priority valve will be reseted with the reset button.

**Operation:**

1.) Manual operation by using the hand lever.
   - hand lever up = OPEN
   - hand lever down = CLOSE

2.) Electric operation by applying the rated voltage to the electromagnet of the add-on component.

3.) Pneumatic operation PRIORITY OPEN by applying the minimum release pressure on CO2.

**Installation:**

1.) Variable mounting position
2.) Join connections as follows:
   - P ............. Compressed air
   - CA .......... Pneumatic cylinder OPEN
   - CZ ........... Pneumatic cylinder CLOSE
   - CO2 ........ Pneumatic remote control: PRIORITY OPEN

**Technical data:**

<table>
<thead>
<tr>
<th>max. operating pressure</th>
<th>10bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>min. operating pressure by EA/EZ</td>
<td>3bar</td>
</tr>
<tr>
<td>min. active pressure by EAV/EZV</td>
<td>2bar</td>
</tr>
<tr>
<td>min. release pressure by CO2</td>
<td>4bar</td>
</tr>
<tr>
<td>ambient temperature range</td>
<td>-15°C - +55°C</td>
</tr>
<tr>
<td>nominal width of valve</td>
<td>4mm</td>
</tr>
</tbody>
</table>

**Electro add-on components:**

- EA24 ................. electric OPEN 24VDC
- EAV24 ................. electric PRIORITY OPEN 24VDC
- EA230 ................. electric OPEN 230V
- EAV230 ............... electric PRIORITY OPEN 230V

- EZ24 ............... electric CLOSE 24VDC
- EZ230 ............... electric CLOSE 230V

Connecting diagram electromagnet:

Pneumatic symbol:

<table>
<thead>
<tr>
<th>Power input - attracting</th>
<th>DC</th>
<th>9 VA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power input - attracting</td>
<td>AC</td>
<td></td>
</tr>
<tr>
<td>Power input - holding</td>
<td>DC</td>
<td>5W</td>
</tr>
<tr>
<td>Power input - holding</td>
<td>AC</td>
<td>6VA</td>
</tr>
</tbody>
</table>

**Ordering example:**

HH5/2 - VVZ - EAV24 - EZ230