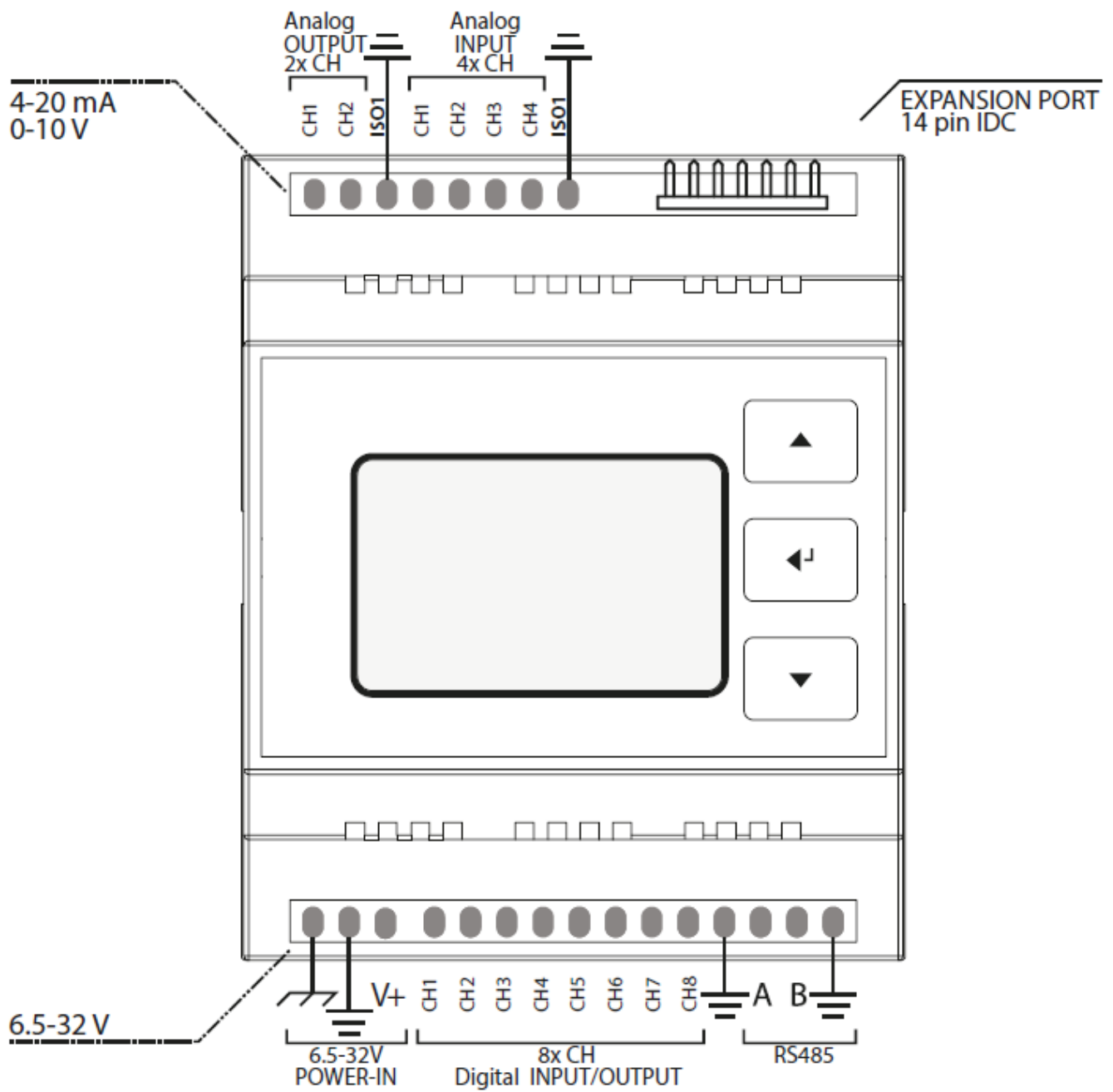
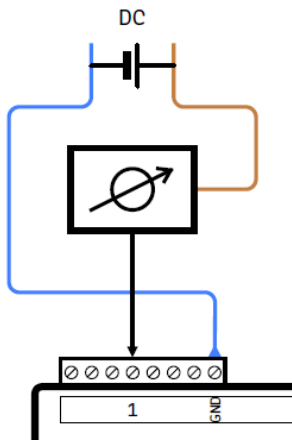


# Typical Wiring Variants

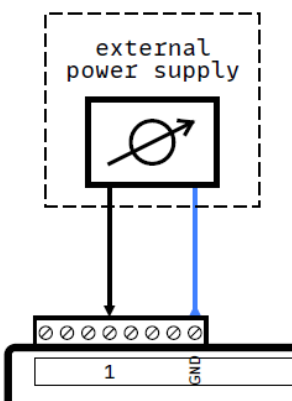




Connecting an analog sensor (AIN field) or analog actuator (AOUT field) in series

**Typical application:**

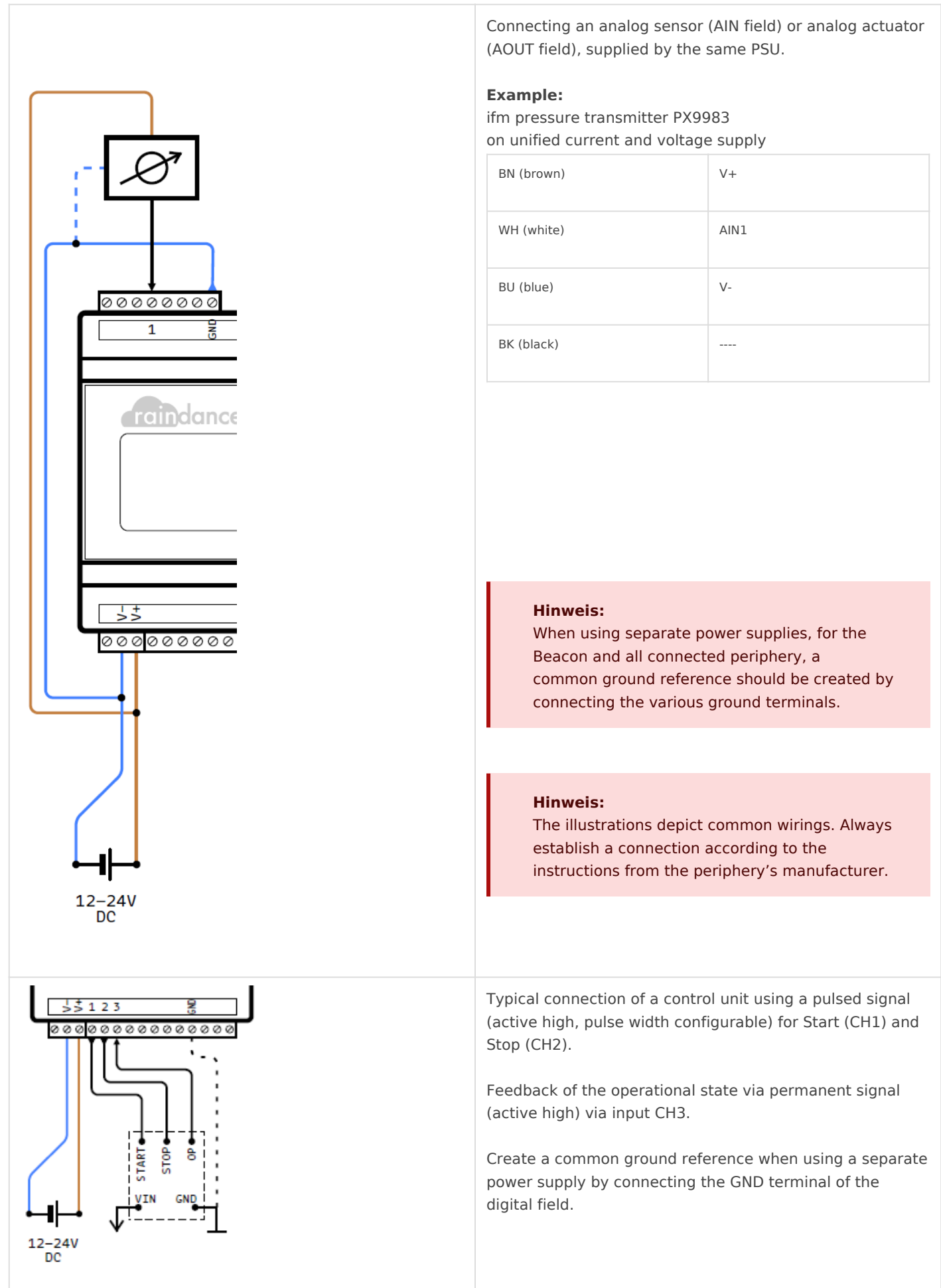
Sensors and actuators as a dual wire current loop (4–20mA) variant.

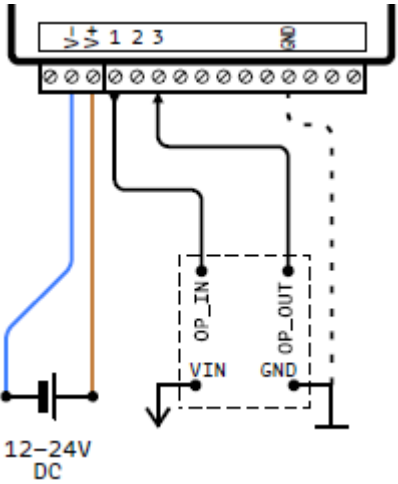
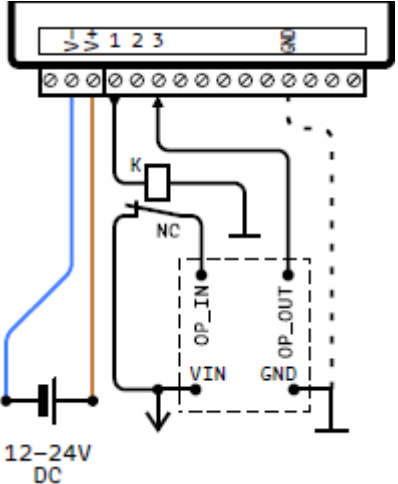
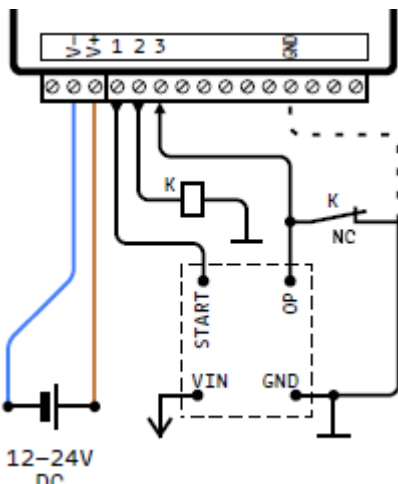
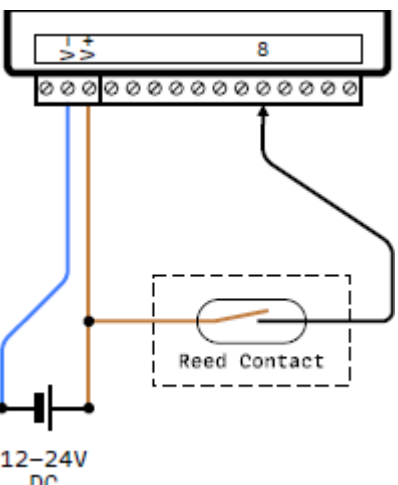


Connecting an analog sensor (AIN field) or analog actuator (AOUT field), using an external power supply unit.

**Typical application:**

Sensors and actuators as a voltage (0–5V, 0–10V) variant.  
The analog fields GND/ISO terminal may have to be connected to the external PSU's ground terminal.



 <p>12-24V DC</p>	<p>Typical connection of a control unit using a permanent signal (optionally configurable) on output CH1 (active high).</p> <p>Feedback of the operational state via permanent signal (active high) via input CH3.</p> <p>Create a common ground reference when using a separate power supply by connecting the GND terminal of the digital field.</p>
 <p>12-24V DC</p>	<p>Example adaptation to a control unit using a permanent signal (active low) via a NC switch at CH1.</p> <p>Operating directly from CH2's permanent signal (inverted to that from CH1) is not recommended!</p> <p>Create a common ground reference when using a separate power supply by connecting the GND terminal of the digital field.</p>
 <p>12-24V DC</p>	<p>Example adaptation for driving an NC switch to pull an active output low in order to stop the connected control.</p> <p>The active output may be used as a feedback of the operational state.</p> <p>Create a common ground reference when using a separate power supply by connecting the GND terminal of the digital field.</p>
 <p>12-24V DC</p>	<p>Typical connection of a counter at input CH8. The depicted example uses a simple Reed contact.</p> <p>Alternatively, any kind of impulse generator can be connected to CH8 (input active high).</p> <p>The impulse frequency has to be selected according to the desired application. (Frequency, both flanks <math>\leq 50/s</math>)</p>

---

Revision #5

Created 5 March 2024 16:56:22 by Jens Götze

Updated 30 April 2024 11:19:13 by Jens Götze