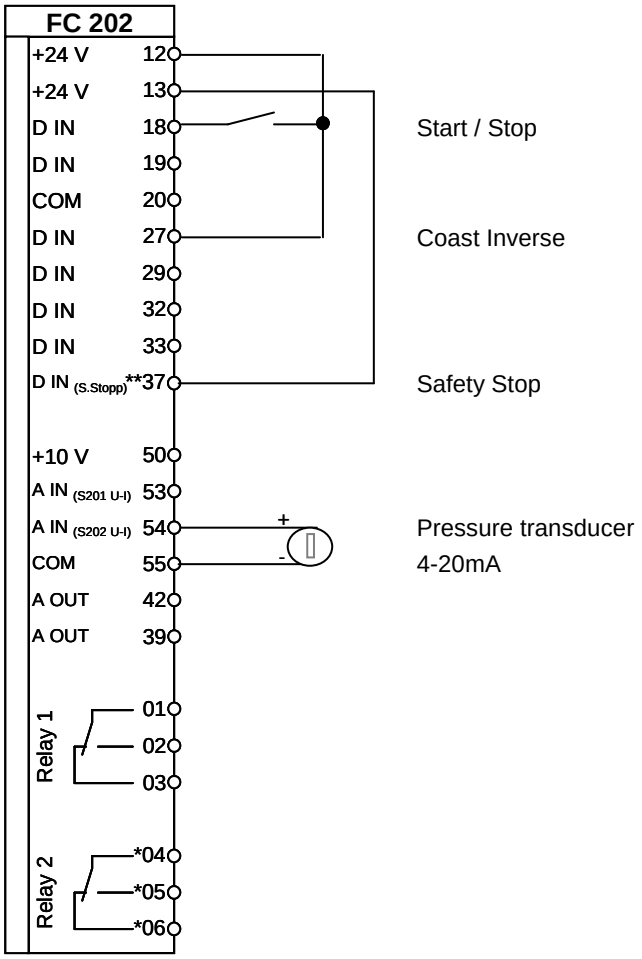
Connection Example

VLT® AQUA Drive Software: 1.05

Closed loop operation from 0 - 10bar pressure transmitter with 4-20mA output. The motor needs to speed up when the pressure drops below 7bar. The PID startup frequency is 10Hz and when the drive is running at min frequency 10Hz, it will goto sleep.



Relevant Parameters		
Par.	Function	Settings
0-02	Motor Speed Unit	[1] Hz
0-21	Display 1.2 small	[1652] Feedback
1-00	Configuration mode	[3] Closed loop
3-41	Ramp up time	20s
3-42	Ramp down time	20s
4-12	Motor Speed Low	10 Hz
20-12	Unit	[71] Bar
3-02	Min reference	0
3-03	Max reference	10
315	Reference Source 1	[0] No function
6-24	Min feedback	0
6-25	Max Feedback	10
20-21	Setpoint	7
20-81	Normal / Inverse	[0] Normal
20-83	PID start frequency	10
20-93	Proportional gain	2
20-94	Integral time	10
22-22	Low speed detect	[1] Enabled
22-23	No flow function	[1] Sleep mode

NOTE: Erstellt von: Schulung

All settings are based on factory settings.
It is recommended to set all the motor parameters in Par. 1-20 to 1-26 and then perform Automatic Motor Adaption (AMA) in Par. 1-29.