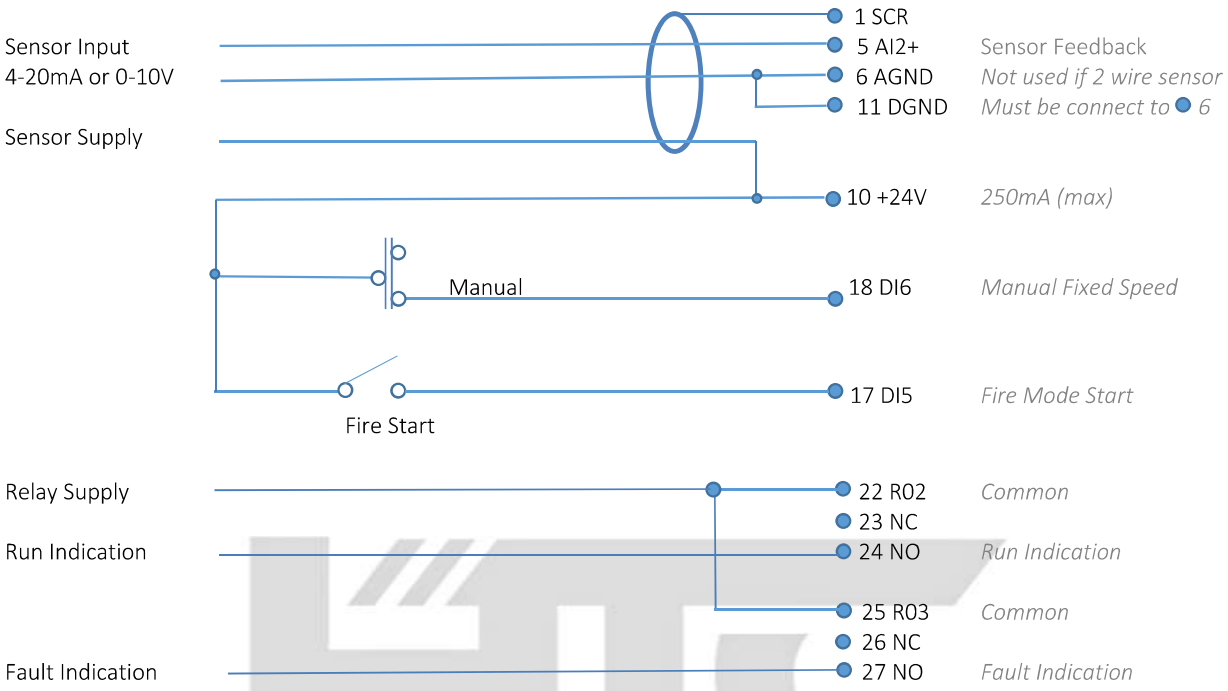
ACH580 PID Instructions Stair Pressure Fan

Wiring Diagram;



Required Parameters for PID Loop, Run Relay & Fault Relay

Enter the motor parameters in Parameter Group 99 - P99.06 through P99.11

20.41 - Start interlock 1	Not used	*To remove interlock*
10.27 - RO2 source	Supervision 1	*Relay controlled by supervision*
10.30 - RO3 source	Fault	*Relay RO3 activates upon a fault condition*
12.25 - AI2 Unit selection	mA (default)	*AI2 feedback is mA*
12.25 - AI2 Unit selection	V	*AI2 feedback is Volts*
12.30 - AI2 scaled at AI2 max	50 units (default)	*Change to sensor maximum, eg 100 units*
28.11 - Ext1 frequency ref1	PID	*Selects PID Operation*
30.13 - Minimum frequency	10Hz	*Recommended minimum frequency > 10Hz*
32.05 - Supervision 1 function	high	*Activate relay (RO2) when current is over 32.10*
32.07 - Supervision 1 signal	current	*Item being supervised*
32.09 - Supervision 1 low	x (A)	*Relay RO2 OFF when below this value*
32.10 - Supervision 1 high	y (A)	*Relay R02 ON when above this value*
40.07 - Process PID operation mode	On	*Activates PID operation*
40.08 - Set 1 feedback 1 source	AI2 scaled	*Feedback source*
40.16 - Set 1 setpoint 1 source	Internal setpoint	*Setpoint origin*
40.19 - Set 1 internal setpoint sel1	Selected	*Selects P40.21*
40.21 - Set 1 internal setpoint 1	z units	*Your setpoint required, eg 30 units*
40.31 - Set 1 deviation inversion	Not inverted	*Not inverted for stair pressure application*

Select mA or V