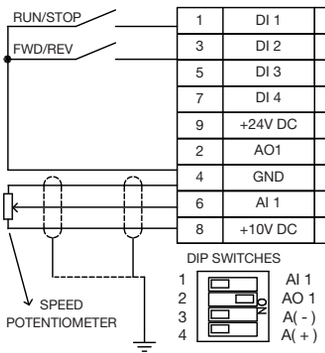
CFW500 Quick Setup Guide

Installation & Power Connections: Refer to user guide sect 3

Typical Control Connection:

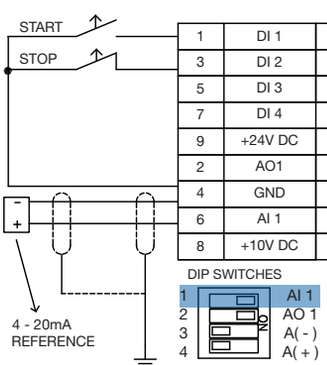
Example 1: 2 - Wire Start / Stop, Speed Potentiometer



1	DI 1	DIGITAL INPUT 1	TOP CONNECTION
3	DI 2	DIGITAL INPUT 2	
5	DI 3	DIGITAL INPUT 3	
7	DI 4	DIGITAL INPUT 4	
9	+24V DC	24 Vdc POWER SUPPLY (150mA)	
2	AO1	ANALOG OUTPUT 1	BOTTOM CONNECTION
4	GND	REFERENCE 0V	
6	AI 1	ANALOG INPUT 1	
8	+10V DC	REFERENCE + 10Vdc POTENTIOMETER	

PROG	DEF	USER	DESCRIPTION
P0220	**2**	**1**	**Local / Remote = Always Remote**
P0222	1	1	Remote Reference = AI
P0226	4	4	FWD / REV = DIx
P0227	1	1	Start / Stop Remote = DIx
P0231	0	0	AI1 = Speed Reference
P0233	0	0	AI1 = 0 - 10V
P0263	1	1	DI1 = Start / Stop
P0264	8	8	DI2 = FWD / REV

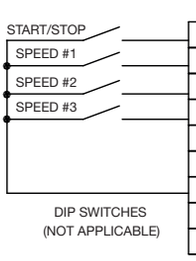
Example 2: 3 - Wire Start / Stop, 4 - 20mA Reference



1	DI 1	DIGITAL INPUT 1	TOP CONNECTION
3	DI 2	DIGITAL INPUT 2	
5	DI 3	DIGITAL INPUT 3	
7	DI 4	DIGITAL INPUT 4	
9	+24V DC	24 Vdc POWER SUPPLY (150mA)	
2	AO1	ANALOG OUTPUT 1	BOTTOM CONNECTION
4	GND	REFERENCE 0V	
6	AI 1	ANALOG INPUT 1	
8	+10V DC	REFERENCE + 10Vdc POTENTIOMETER	

PROG	DEF	USER	DESCRIPTION
P0220	**2**	**1**	**Local / Remote = Always Remote**
P0222	1	1	Remote Reference = AI
P0227	1	1	Start / Stop Remote = DIx
P0231	1	1	AI1 = Speed Reference
P0233	**0**	**1**	**AI1 = 0 - 20mA**
P0263	**0**	**6**	**DI1 = Start**
P0264	**1**	**7**	**DI2 = Stop**

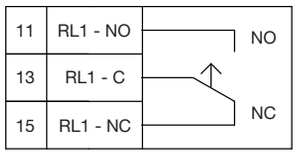
Example 3: 2 - Wire Start / Stop, Multispeed



1	DI 1	DIGITAL INPUT 1	TOP CONNECTION
3	DI 2	DIGITAL INPUT 2	
5	DI 3	DIGITAL INPUT 3	
7	DI 4	DIGITAL INPUT 4	
9	+24V DC	24 Vdc POWER SUPPLY (150mA)	
2	AO1	ANALOG OUTPUT 1	BOTTOM CONNECTION
4	GND	REFERENCE 0V	
6	AI 1	ANALOG INPUT 1	
8	+10V DC	REFERENCE + 10Vdc POTENTIOMETER	

PROG	DEF	USER	DESCRIPTION
P0220	**2**	**1**	**Local / Remote = Always Remote**
P0222	1	8	Remote Reference = Multispeed
P0227	1	1	Start / Stop Remote = DIx
P0263	**1**	**1**	**DI1 = Start / Stop**
P0264	**8**	**13**	**DI2 = Multispeed**
P0265	**20**	**13**	**DI3 = Multispeed**
P0266	**10**	**13**	**DI4 = Multispeed**
P0125	**5**	**XX**	**Speed = XX (DI4 Closed)**
P0126	**10**	**YY**	**Speed = YY (DI3 Closed)**
P0128	**30**	**ZZ**	**Speed = YY (DI2 Closed)**

Relay Output: P0275 & P0276 (1 & 2 Basic Functions)



USER	DESCRIPTION
11	Run
12	Ready
13	No Fault
26	With Fault

Note: For more advance functions, please refer to the prog manual

Programming:

CFW500 Keypad:



Enter Menu;
Enter programming mode
Use to Select / Save

Run Button;
Run in local mode

Stop Button;
Stop in local mode
Reset

Up / Down Buttons;
Adjust speed in local mode
Navigate through parameters

Back / ESC Button;
Return to monitoring mode
Return to previous programming level

Oriented Start Up:

PROG	DEF	USER	DESCRIPTION
P0205	0	0	Control Type V/F
P0401	-	*	Motor FLC (A)
P0402	1425	*	Motor Speed (RPM)
P0403	50	*	Motor Frequency nameplate data

*Set as per motor nameplate data

Note: Set P0205=5 during oriented start-up for improved speed control and higher torque capacity at low speed (especially < 5Hz)

Motor Overload Settings:

PROG	USER	DESCRIPTION
P0156	1.1xP0401	Overload Current at 100% Speed
P0157	1.0xP0401	Overload Current at 50% Speed
P0158	0.8xP0401	Overload Current at 5% Speed

Basic Application:

PROG	DEF	DESCRIPTION
P0100	10 Sec	Acceleration Time (s)
P0101	10 Sec	Deceleration Time (s)
P0133	3 Hz	Minimum Speed (Hz)
P0134	55Hz	Maximum Speed (Hz)

Changing Monitor Display Parameter (P0205):

USER	DESCRIPTION
2	Motor Output Speed (RPM)
3	Motor Current (A)
5	Output Frequency (Hz)
7	Output Voltage (V)

Loading Factory Default Setting:

PROG	DEF	USER	DESCRIPTION
P0204	0	6	Load Factory Defaults (50 Hz)

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