

# Variable Frequency Drives

## CFW09

### Options and Accessories



#### Complete Keypad (Standard) HMI – CFW09 – LCD

Intelligent Operator Interface with double display (LED and LCD), plain English messages and COPY Function. Local or remote installation.



#### NEMA 4 Remote Keypad HMI – CFW09 – LCDN4

NEMA 4/IP55 remote keypad, for installation on panel door or remote operator station in harsh environments, such as splashing or hose-directed water and windblown dust. Maximum cable length: 33ft (10m)



#### Remote Keypad Frame Kit KMR – CFW09

Frame for remote keypad mounting on panel door or operator station. Optional up to 15ft (5m) cable. Maximum cable length; 33 ft (10m)



#### Remote Keypad Cables CAB – HMI – 09 – X

Cables with lengths (x) of 3.3, 6.6, 10, ,15, 25 and 33ft (1, 2, 3, 5, 7.5 and 10m) 7.5 and 10m must use the KMRCFW09 frame kit. Special cables available upon request.



#### Remote Control Station-22mm CSW-SP3PBS

The remote control station is a 3-hole NEMA 4 pushbutton station with 22mm Start and Stop push buttons and a 5K potentiometer. Alternative configurations are available, consult factory for details.



#### Remote Control Station-30mm CSW30-SP3PBS

The remote control station is a 3-hole NEMA 4 pushbutton station with 30mm Start and Stop push buttons and a 5K potentiometer. Alternative configurations are available, consult factory for details.



#### RS-232 Serial Interface KCS – CFW09

RS-232 Serial Interface Module to connect the CFW09 to a PC or other equipment via a RS-232 Serial Link.



#### PC Communication Kit KSD – CFW09

WEG Superdrive is a windows based software program that allows serial (RS-232 or RS-485) communication between a PC and WEG Soft Starters and Variable Frequency Drives. Superdrive is an excellent programming, documentation and troubleshooting tool for WEG Soft Starters and VFD's. Superdrive is available for free download at [www.wegelectric.com](http://www.wegelectric.com). Hardware accessories may be required, depending on the Soft Starter or VFD line. Not available for SSW06.

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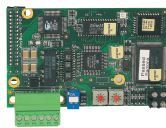
### Options and Accessories



#### PLC / Motion Control Board **PLC 1.01 & PLC 2.00**

PLC-01 / PLC-02 : WEG Integral PLC – The PLC01/02 boards add important PLC (Programmable Logical Controller) functions to the CFW-09, enabling the execution of complex logic program by using the digital and analog inputs and outputs as well as the digital and analog inputs and outputs of the own inverter which can be accessed by the user program. Functions include simple contacts and coils up to functions that uses floating point, such as sum, subtraction, multiplication, division, trigonometry, square root functions, etc. Other important functions are the PID blocks, high-pass and low-pass filters, saturation, comparison. All these functions operate with floating point. Besides the functions mentioned above, the PLC1 provides blocks for motor speed and motor position control, that is a trapezoidal-profile positioning and a S-profile positioning, speed reference generation with trapezoidal acceleration ramp, etc. (Note: when position functions used, the coupling of an encoder on motor shaft is required). All functions can interact with the user through the 100 programmable parameters that can be accessed directly through the inverter HMI. The texts and user units of the programmable parameters can be customized by the WLP.

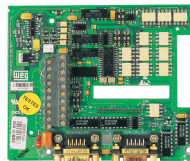
CFW09



Ethernet IP **KFB - EN**

Profibus DP **KFB - PD**

DeviceNet **KFB - DN**



I/O EXPANSION BOARDS

**EBA.0X - CFW09**

**EBB.0X - CFW09**

**EBC1.0X - CFW09**

**EBE.0X - CFW09**

Configurations Functions	EBA...			EBB...					EBC			EBE	
	01	02	03	01	02	03	04	05	01	02	03	01	
Encoder Input	•			•	•		•			•	•	•	
Encoder Output	•			•			•						
RS-485 Serial Interface	•	•		•			•						•
14 bit A/D	•		•										
14 bit D/A's	•		•										
Isolated Analog Input				•		•	•						
Isolated Analog Output				•		•	•	•					
Digital Inputs and Outputs Thermistor (PTC) Input	•	•	•	•	•	•	•						•
Internal Power Supply					•		•			•	•		

