Turn on the power.

The display will usually show **"F 00.00"**. *(although the numbers could be any value)* .

If the display does not show **F and four numbers** press the **DSPL** key repeatedly until it does.

Press **PRG/DRV**.

Use the ▲ or ▼ key until the display shows **"Pn-00"**

To ensure all the drives parameter are set to their factory defaults you MUST carry out the next procedure.

Press the **DATA/STR** key.

The Display will then show two digits.

Use the ▲ ▼ and the ▶▶ change the value of the two digits to **"08".**
(Only the flashing digit can be altered).

Press the **DATA / STR** key

The display will flash the word **"*End"*** and then it will show **"01",** which is the default value of this parameter (It is now possible to alter the drives parameters between 0 - 19).

To complete a basic set up, access is require to parameters 0 - 59, so the value in Pn - 00 must be altered to **"03"**

Again use the ▲ ▼ and the ▶▶ change the value of the two digits form **"01"** to **"03".**

Press the **DATA/STR** key.

The display will flash the word **"End"** and then revert to the new value **"03"**

With all the parameters now reset to their default settings, the drive is now ready to be configure to your requirements.

Press the **DSPL** key - the display will show " **Pn-00**"

Press the ▲ until the display shows **"Pn - 04"**

This parameter is used to set the Base Frequency of the motor ,i.e. that shown on the motor name plate.

Press the **DATA/STR** key.

The default setting of this parameter will be shown on the display **"060.0"**

Using the ▲ ▼ and the ▶▶ keys change the value until the value shows **"050.0"**

Press the **DATA/STR** key.

The display will flash the word **"End"** and then show the new value of the parameter **"050.0"**.

Press the **DSPL** Key.

The Display will now show **"Pn-04"**.

Press the ▼ key until the display shows **"Pn - 03"**.

This value of this parameter tells the drive the value of the input voltage, which it them uses in its Volts to Frequency Ratio calculations.

Press the **DATA / STR** key.

The default setting of this parameter will be shown on the display **"220"** Or **"440"** depending on the type supplied *(JK = 220 Volts and AZ = 440 Volts).*

Using the ▲ ▼ and the ▶▶ keys change the value until the display shows **"240"** for a JK type or **"415"** for a AZ type.

Press the **DATA/STR** key *(the display will flash the word* ***"End"*** *and then show the new value of the parameter* ***"240"*** *Or* ***"415"*** *).*

Check the motor is connected correctly to accept the voltage selected above.

(consult your motor supplier)

Speecon 7200M3 Basic Set UP - Cot.

Press the **DSPL** Key. the display will show **"Pn-03"**
Press the ▼ key until the display shows **"Pn - 02"**

Pn-02 *is the parameter used to set the maximum value of frequency the drive can supply to the motor. The value is usually set at 50Hz, but can be set at any value between 0 - 400Hz.*
With standard industrial motors a value should be set within the physical (centrifugal) limits of the motor.

Press the **DATA / STR** key
The display will show the default value for this parameter which is **"060.0"** Hz
Using the ▲ ▼ and the ▶▶ keys change the value until the value shows **"050.0"** Hz
Press the **DATA / STR** key.
The display will flash "End" and then revert to the new value **"050.0"** Hz

Press the **DSPL** key - the display will show **"Pn - 02"**

Use the ▲ key until the display shows **"Pn - 19"**

Pn -19 *is the parameter used to set the maximum value of current the drive will allow the motor to take. It can be set at any value between 10 and 120% of the rated output current of the drive **(see page 8 in the instruction manual).** If the current taken by the motor exceed the set value, the drive will (depending on the value taken) allow this for up to 90 seconds prior to it shutting down its output and displaying an error code* **"OL 1"**

Speecon 7200M3 Basic set up - Cont..

Press the **DATA /STR** key
The display will then show the default current value
Using the ▲ ▼ and the ▶▶ keys change the value to the value required.
Once you have the required value on the display press the **DATA / STR** key.
The display will flash **"End"** and then revert to new value entered.

It is usual to use the full load current value from the motors name plate.
On motors with multi - voltage options, check the value selected is the relevant current value for the voltage supplied to the motor.
I.e If two current values are shown on the name plate of the motor, the higher value of current is used when using the lower voltage, and the lower current value is used with higher voltage.
Again if you have any doubts, consult your motor supplier.

Press the **DSPL** key, the display will show **"Pn - 19"**

Use the ▲ until the display shows **"Pn - 25"**

This parameter is used to set the minimum output frequency the drive can supply to the motor.
The value entered in this parameter MUST be entered as a percentage of the value of the set in parameter Pn - 02 (i.e.the maximum output frequency).
E.g. If the value in Pn - 02 is 50 Hz and a value of 50 is entered in parameter Pn - 25, the drive will allow a maximum frequency of 50 Hz and a minimum of 25 Hz to go out to the motor. Any frequency between the two values can be selected.

Speecon 7200M3 Basic Set up Cont..

Press the **DATA /STR** key.
The display will show **"000"**
Enter a the minimum frequency required (as a percentage of Pn - 02).
E.g "050" which equates to **50%** of the value in Pn - 02
Press the **DATA / STR** key
The display will flash **"End"** and then revert to new value entered.
Press the **DSPL** key
The display will then show **"Pn - 25".**

You have now entered enough information to start and stop the drive along with varying the output frequency to the motor between the maximum and minimum values you have set.
All the control is via the keys on the drives keypads.

Press the **PRG / DRV** Key to return the drive to the run mode.
The indicator below **DRV** in the top left of the key pad should illuminate
The Display will now show **"F 00.00"**

If you now press the **RUN** key the drives output frequency will ramup the minimum output frequency value set in Pn-25.

If the value in Pn-25 is **"000"** the drives out put will remain at **"00.00"** even after the **RUN** key has been pressed.

To vary the drives output frequency via the Keypad, use the ▲ ▼ and ▶▶ to enter a frequency value (The value entered must be between the maximum and minimum values you have set in parameters Pn-02 and Pn-25).

When the display shows the required value (e.g. **"42.00"),** press the **DATA / STR** key.
The output frequency will then ramp up to 42 Hz and the display will show **"42.00".**

To stop the drives output to the motor press the **STOP** key.

The above directions only cover a basic set up, with all control via the drives Keypad.

For more advanced set ups please contact your Teco - Westinghouse Distributor.