

TECO Australia and New Zealand

TECO F510 Enhanced - QUICK SET-UP GUIDE

This is a quick set-up guide for configuring the TECO E510s for either of the following control requirements:

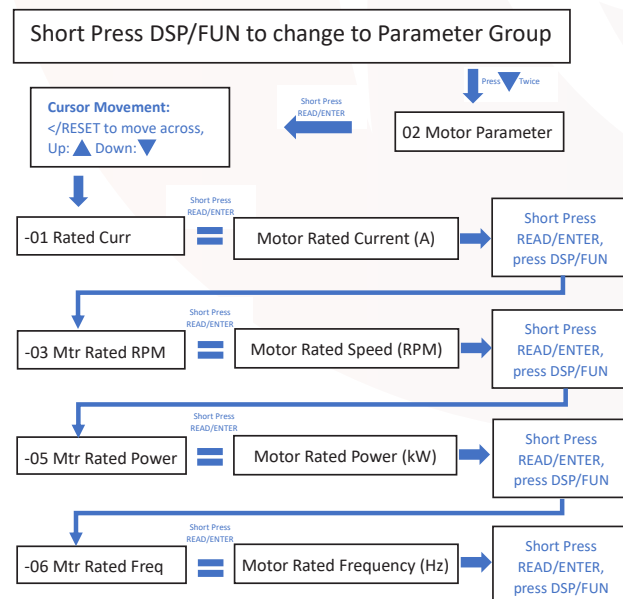
- Motor Parameter Setup
- Start/stop control – Keypad, External Switch or PLC
- Wiring Diagram - 2-wire & 3 wire start/ stop operation
- Speed/frequency control – Keypad, Pot on Keypad, External Pot.

Highlighted in the table below are the main parameter groups that are involved in this list of control requirements.

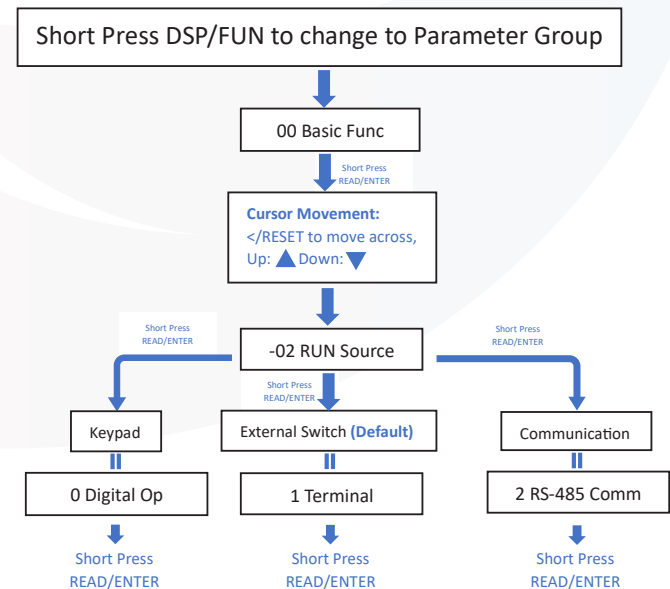
PARAMETER GROUP No.	Description
Group 00	Basic parameter
Group 01	V/F Control parameters
Group 02	IM Motor parameters
Group 03	External digital input and output parameters
Group 04	External analog input and output parameters
Group 05	Multi speed parameters
Group 06	Automatic program operation parameters
Group 07	Start/Stop parameters
Group 08	Protection parameters
Group 09	Communication parameters
Group 10	PID parameters
Group 11	Auxiliary parameters
Group 12	Monitoring parameters
Group 13	Maintenance parameters
Group 14	PLC parameters
Group 15	PLC monitoring parameters
Group 16	LCD parameters
Group 17	IM Motor Automatic Tuning Parameters
Group 18	Slip compensation parameters
Group 19	Speed control parameters
Group 20	Torque and control parameters
Group 21	PM motor parameters
Group 22	Pump & HVAC
Group 23	1 to 8 pump card function group



Motor Parameter Setup:



Start/Stop Control – Keypad, External Switch:



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Wiring Diagram for External Control by Switch

Applicable when

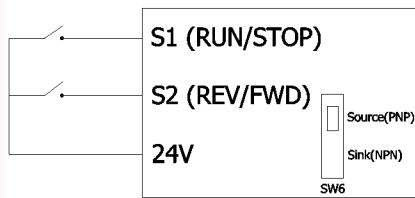


Wire: Forward/Stop – Reverse/Stop (Default)

Two external switches are required, one for forward direction and the other for reverse.

Switch type: two positions, maintained type.

- Wiring Diagram:

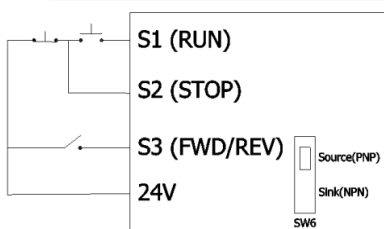


Wire Control Mode-Run/Stop

- In this mode, two separated momentary push buttons are used for start and stop functions.
- For S1 to initiate the Run command. Push button connected to S2 must be connected by a normally closed type contact (NC).
- Parameter Setup: Initialize the 3-Wire.

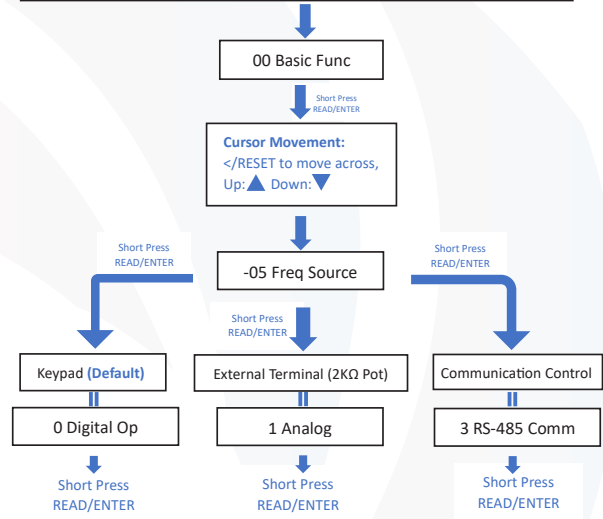
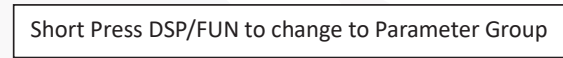


- Wiring Diagram:

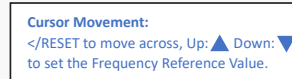
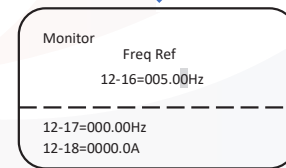
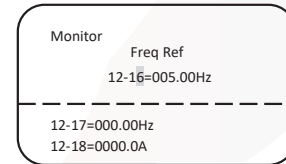


Speed/frequency control – Keypad, Pot or External

Parameter Setup



Operation



Wiring Diagram

