

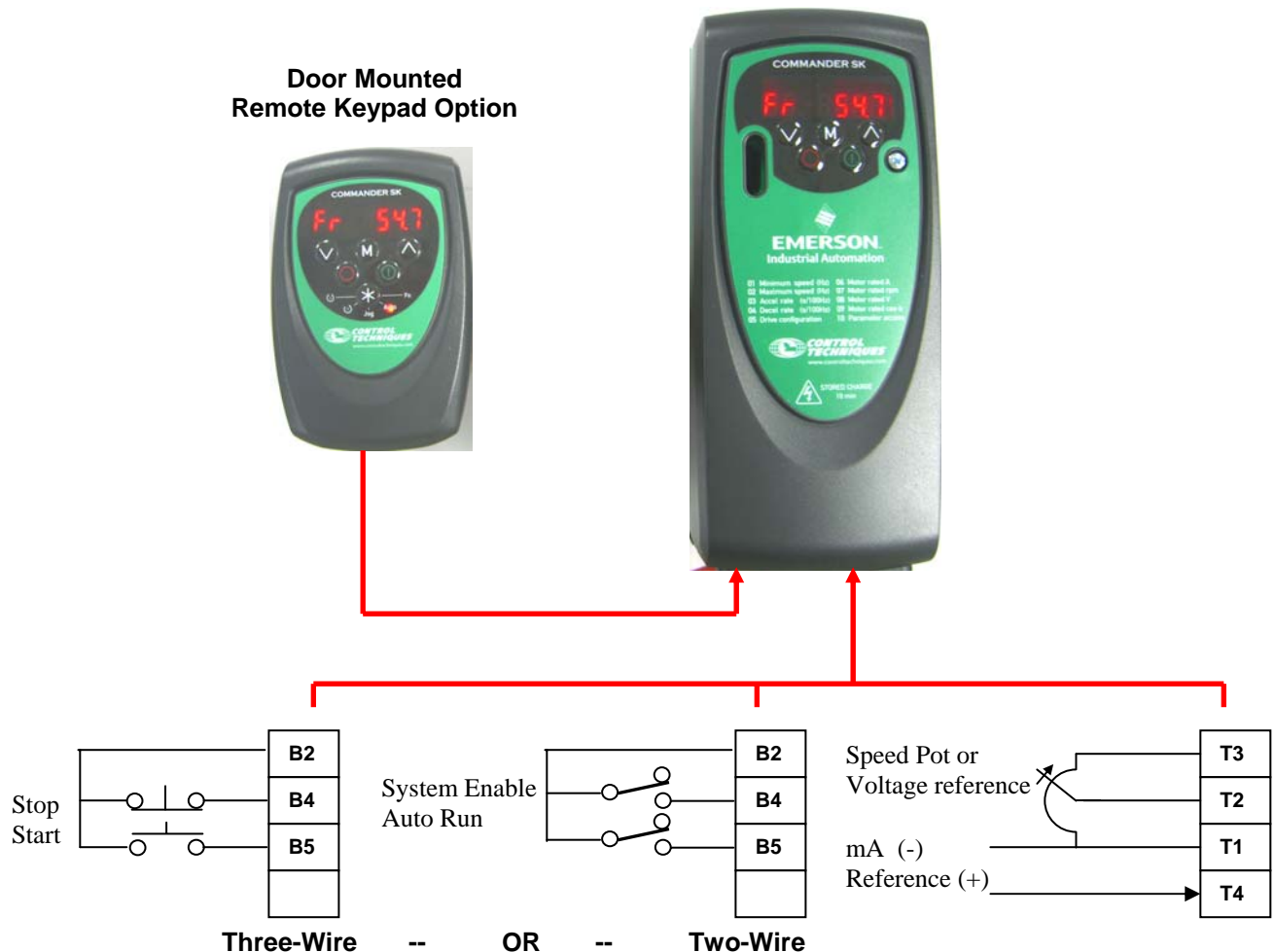
The Application Note is pertinent to the Commander SK Family

## Using The Commander SK Remote Keypad in the Hand-Off-Auto Mode

This application note describes how to implement the **Hand – Off – Auto** function for the Commander SK Remote Keypad option. This set-up provides for either a 0 to +10vdc or a milliamp analog speed reference and a two (or three) wire start / stop circuit in the Auto mode and Remote Keypad Control in the Hand mode.

### Parameter Changes:

1. Drive is defaulted with USA defaults (out of the box).
2. Parameter #05 set to AI.AU for milliamp input or AU.Pr for 0 to +10vdc input. See parameter #16 for milliamp selections.
3. Parameter #11 set to 0 for two wire control, 1 for three wire
4. Parameter #71 set to 6.13 (parameter #71 set BEFORE #61) refer to [CTAN272](#)
5. Parameter #61 set to 4 (keypad function button set to Auto)
6. Basic motor parameters set in drive (i.e. – rated current and voltage).



## Sequence of Operation:

On power up the drive will always be in **Local** (Remote Keypad) control.

### **Local Control:**

To run the drive, press the **Green** run button on the Remote Keypad and use the up / down arrows to set the speed. Press the **Red** stop button to stop the drive. Note that in the local control mode the red auto led is **flashing**.

### **Remote (Auto) Control:**

To enter the auto mode, press **Red** stop button on the remote keypad, then the function button – note that the **Red** auto led stays on.



The drive will now start and stop when the Auto Run contact is opened and closed (or the start or stop buttons are depressed). The speed will be controlled by the speed potentiometer (or analog 0 to +10vdc reference) or a milliamp signal.

To return to Local mode, press the **Red** stop button on the remote keypad. The drive will ramp to a stop (or coast) even if the auto run contact is closed and the **Red** auto led will flash on and off. The drive can now be restarted by pressing the **Green** run button on the remote keypad with the speed set by the up / down arrows.

### Notes:

1. If the Auto Run and the System Enable contacts are closed prior to the drive being powered up, the motor will run for a few seconds and then stop in local control.
2. On power up the drive will **always** be in the Local (Remote Keypad) control.
3. The keypad on the drive cannot be used to control the drive.

For additional Hand-Off-Auto and Local / Remote Control schemes which do not have the limitations listed in the notes above. See [CTAN285](#) and [CTAN286](#), note that both of these require the use of the **Optional Logic Stick**

Questions: Ask the author ??

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