



3CPO Option for CS-5000 Series Controls

Installation and assembly



1. Open cover.



2. Unlatch contact block from rear of 3-position switch.



3. Remove contact block assembly.



4. Loosen and remove the bayonet locking nut.



5. Install operator in hole labeled *PROGRAM 1-2-3*. Re-install and tighten the locking nut and relatch the contact block assembly.



6. Repeat process with momentary contact operator. Mount in hole labeled *RESET*.

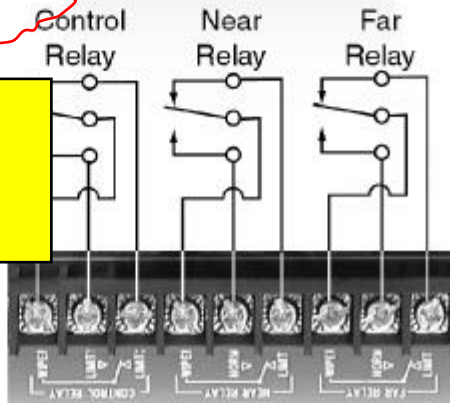
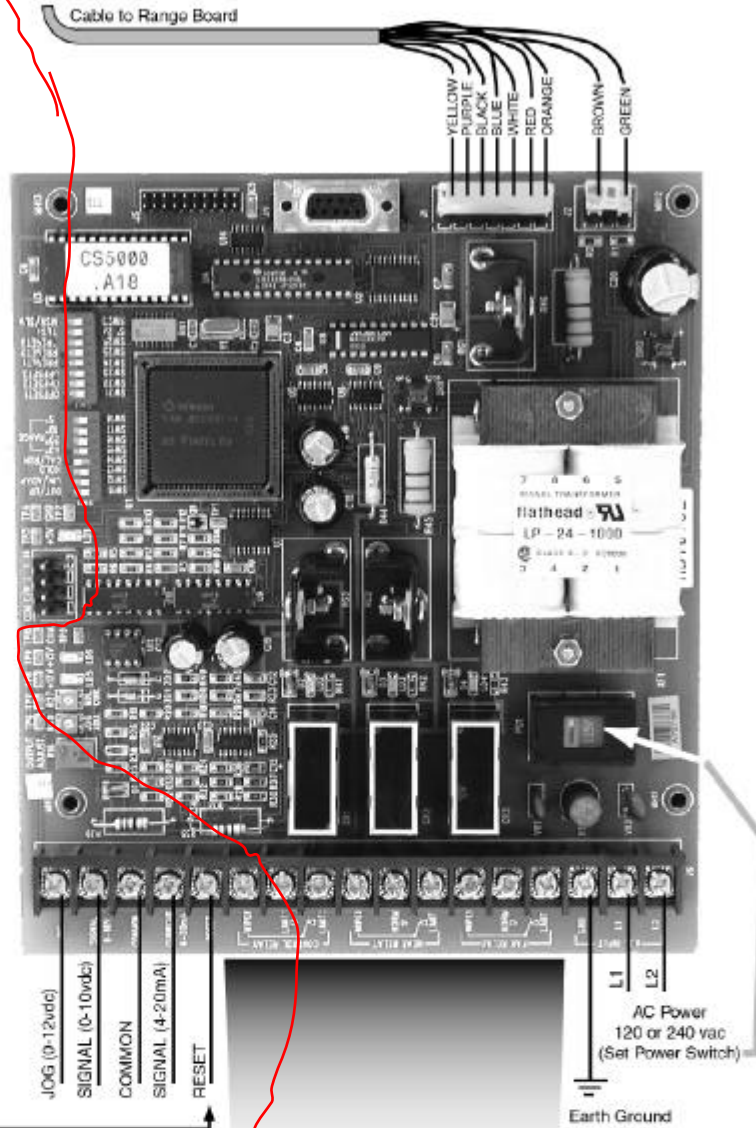
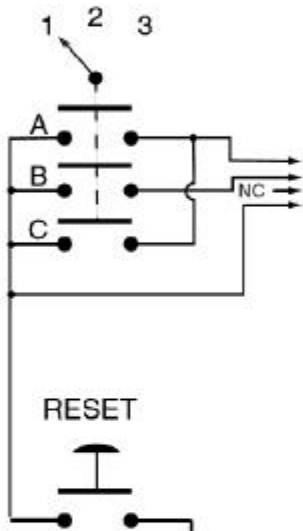


← FINISHED ASSEMBLY
WILL LOOK LIKE THIS.

WIRING CS-5000 Series Controls

	1	2	3
	↖	↑	↗
A	X	0	0
B	0	X	X
C	0	0	X

Optional Setup
for Remote
Selection of
Preset Programs



The red-lined section shows wiring of the Coiltek 3CPO Option. If you have a 3-position switch and a momentary button, you can do this yourself. This will allow you to access 3 preset programs remotely.

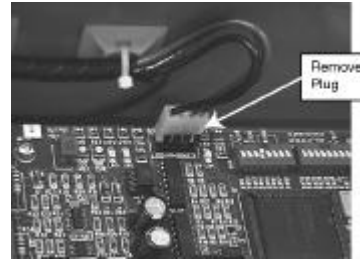
Note: NEAR and FAR relays are ON when target is in range. Relays release when target moves out of range.

Figure 1

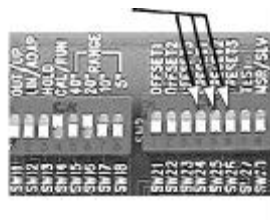
PROGRAMING with the 3CPO (Selector Switch) OPTION

Note: This instruction set assumes the user is familiar with the basic setup procedure for Coiltek CS-5000 Series Controls. See page 12 of the on-line Manual at coiltek.com

- Step 1.** REMEMBER WHICH PRESET YOU WISH TO CHANGE! Then disconnect the 4-pin plug connected to the 3CPO option.



- Step 2.** Be sure that PreSet Switches #1, #2, #3 are OFF.



- Step 3.** Set desired CONTROL RANGE.

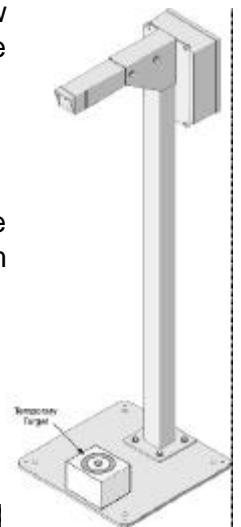
We suggest ranges from 10 to 25 inches for normal loop control applications. Do not use ranges greater than 40 inches with the 54-inch CS24-5000 Stand.

Make sure **LINEar** — **ADAP**tive and **HOLD** switches are (OFF) and select the proper **payOUT** — **takeUP** mode.

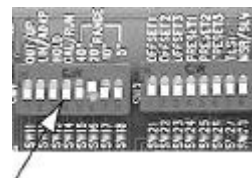
- Step 4.** Cycle power or jump RESET terminal to COMMON. The processor now recognizes that it is in **Program #0** and accepts the new desired range setting.

- Step 5.** Locate Control Range.

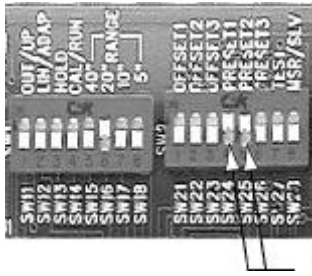
Set a target at the **SENSING LIMIT** (the FAR relay limit point). With the standard 54-inch sensor stand this point is usually about 4 inches from the floor. *A small box makes a good target.*



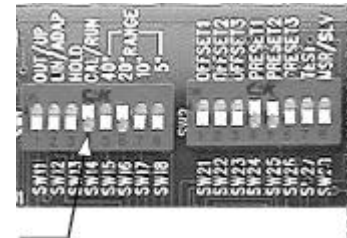
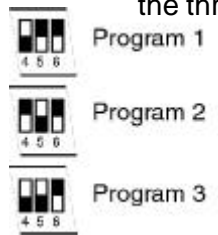
- Step 6.** Now set the **CAL/RUN** switch to the Calibrate (OFF) position. The transducer clicks more slowly, and the alignment light turns red. After a short time (less than a minute) the alignment light (on the sensor nose) will turn green to let you know that the control has locked on to your target and set the **SENSING LIMIT**. **DO NOT** return the **CAL/RUN** switch to the **RUN** position.



Step 7.



Select the Program Address (1, 2, or 3) you wish to alter using the three PreSet switches. *Program #3 Shown*



Step 8.

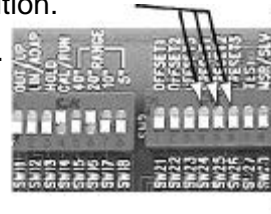
Now return the **CAL/RUN** switch to RUN. This act transfers the new parameters into the selected program.

Step 9.

Replace the four-pin plug to reconnect the 3CPO option.

Step 10.

Return PreSet Switches #1, #2, #3 to the OFF position. Once more recycle power or press the reset button.



The PreSet Program (1, 2, or 3) selected by the 3CPO Option will dominate all other switch settings. To set alternate programs, return to Step 1. Repeat the procedures storing each setup to different program address.

More elaborate setups can be entered directly to the program addresses via computer and Coiltek Software. Procedures are covered in the Software Manual.



ERROR INDICATION. If the ALIGNMENT light flashes rhythmically from red to green, there is a program error. The BASE DISTANCE (the top of the control range) must be greater than 13 inches from the sensor. Recheck the Range Setting. Return to Step 5 and alter the Control Range. (See *Illustration on Page 10.*)