

The ESC3 Programming Key

The ESC3 Programming Key (P/N 318-0074) allows you to upload pre-programmed set points into an ESC3 Refrigeration Controller (P/N 850-3500 and 850-3510) and also to download and save set points from an ESC3.



WARNING! Power down the ESC3 before using the ESC3 Programming Key.

Uploading Set Points To an ESC3

1. Open the rear hatch of the Programming Key, and place the two dip switches in the OFF (DOWN) position. Close the hatch.
2. Plug the connector on the Programming Key into the four-pin connector on the ESC3 controller (Figures 1 and 2).
3. Press and hold the button on the key, and check the sequence of colors the Programming Key's LED flashes. During upload, the LED will glow light red, then dark red, then green.
4. When the LED glows green, the upload operation was successful. Remove the Programming Key. If the LED is not green after several seconds, or the LED is flashing, an error has occurred (see Table 1).

Copying and Saving Set Points From an ESC3

1. Open the rear hatch of the Programming Key. Place switch #1 in the OFF (DOWN) position. Place switch #2 in the ON (UP) position. Close the hatch.
2. Follow the same procedure given in steps 2 through 4 of "Uploading Set Points to an ESC3." If the LED does not turn green or begins flashing, an error has occurred (see Table 1).



Alarm LED Indicator

LED Signal	Error	Meaning/ Solution
Red LED flashing alternately light red/dark red	Low battery	Replace battery.
LED flashes alternately red and green	ESC3 Programming Key not compatible with this device	Either the ESC3 Programming Key is being used to program something besides an ESC3, or the key itself needs replacement (contact CPC).
<ul style="list-style-type: none"> • Dark red LED ON, no flashing • Light red LED ON, no flashing • Red LED flashes 2, 3, or 4 times followed by one green flash 	Data transmission error.	Remove the key from the ESC3 and repeat the download or upload procedure.

Table 1: ESC3 Programming Key Error Codes