

Calmotion USBCNC-FAD

Pendant mount USB Control for Fadal CNC's



Features

- Help menu with list of USBCNC-FAD commands
- USB directory listing
- DNC (drip feed) operation
- Mid-tape start capability
- Baud rate configurable
- Punch tooling and data to USB
- Punch tooling data only
- Punch current program
- Punch all programs from CNC to USB key
- Punch machine parameters
- Punch machine survey data
- Tape input for file loading into CNC memory
- File preview command
- Delete files from USB flash key

The USBCNC-FAD disk reader control acts as an interface between commercially available USB flash memory and any Fadal control using the RS-232 port located at the rear of the machine. Pendant mount USB connectivity is achieved by installing a serial cable from the rear of the machine into the pendant of the control. The installer will be required to cut the serial cable in order to run the cable into the pendant. Once the cable is inside the pendant, gel-filled self piercing splice connectors are used to re-connect 3 wires required for operation.

Each kit contains a waterproof panel mount USB cable that is installed on the side of the control pendant. The opposite end of the cable is then plugged into the USBCNC-FAD controller. After connection of 5V power, installation is complete.

Baud rate changes accommodate older machines with -2 systems as well as faster baud rates for -3 and later versions. Neither software nor hardware upgrades are required to add USB connectivity to any Fadal CNC.

A waterproof cover ensures the integrity of the pendant is not compromised when a USB flash key is removed.

- USBCNC-FAD controller. (pcb version without cover).
- 1GB USB flash key.
- Waterproof panel mount USB cable. (figure 1)
- Waterproof USB cover (Figure 2)
- A 25 foot DB25 cable
- 5V power supply connector with flying leads.
- Self-piercing splice connectors with sealing gel. (Figure 3)
- Machine magnet with USBCNC-FAD command set



Figure 1



Figure 2



Figure 3

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