

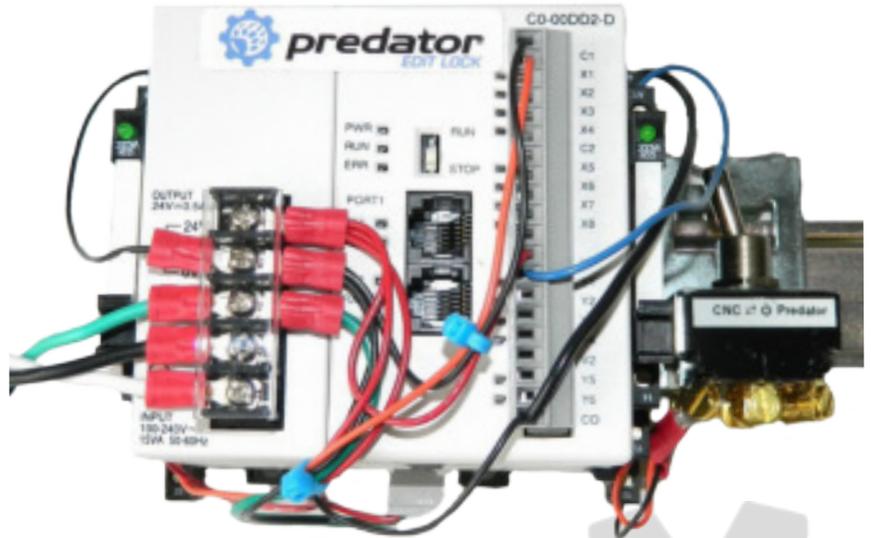
PREDATOR EDITLOCK WITH PREDATOR SOFTWARE

WHAT IS THE PREDATOR EDITLOCK SYSTEM?

The Predator EditLock System enables the "physical" EditLock key switch on a machine tool control to be managed using Predator DNC and PDM software.

WHY USE PREDATOR EDITLOCK?

- Control edits of G-code on machine tools
- Eliminate physical edit keys
- Unlock > Send to CNC > Lock
- Automatic Cycle Start Lock
- Report lock and unlock activity
- Integrates with Predator DNC
- Integrates with Predator PDM
- Lock and unlock of CNC machine's memory
- Predator DNC & PDM
- Improves CNC document control
- Supports most CNC Machines with EditLock key switches
- Maintenance disconnect
- Easy DIN rail mounting



FANUC:

- 2 Position EditLock Switch

OKUMA:

- 3 Position EditLock Switch



PREDATOR EDITLOCK OPERATION:

Predator EditLock enables the EditLock key switch functions on the CNC to be controlled via commands in Predator DNC and/or PDM software. It can be set up as a single standalone EditLock command, or as an automated function that's part of the File Load command in Predator DNC.

OPERATOR PROCEDURE:

Scan barcode on the traveler containing the NC program name and select "Read" or "Input" on the CNC control to receive the part program, which is loaded into the controller. Optionally, change program offsets and then press Cycle Start. No further edits can be made.

MANAGEMENT PROCEDURE:

Use a barcode to force the EditLock to "unlock" to enable the modification of the NC program when necessary or allow offsets to be changed. Optionally, use the DNC client or PDM interface to trigger as well.

BENEFITS OF THE PREDATOR EDITLOCK SYSTEM:

- Controls edits of G-code on machine tools
- Eliminates physical edit keys
- Unlock > Send to CNC > Lock process controlled
- Automatically locks when cycle start button is pressed
- Report lock, unlock, and sending activity
- Gives maintenance department control with an override switch to disable
- Extends CNC file management and compliance in aerospace, automotive, and medical industries

THINGS TO KNOW ABOUT USING THE MACHINE EDITLOCK:

- Works with any CNC control that has "EditLock" or "Memory Protect" key switch
- Installs in machine CNC cabinet on DIN rail for mounting
- Requires a dedicated serial port and connection for functionality
- The disconnect toggle switch enables or deactivates system for maintenance
- Remote controlled via Predator DNC or Predator PDM
- Enables automatic logging off when the control is locked or unlocked by an operator on the floor
- EditLock unit can be externally powered via the 110vAC (input) power supply, or directly powered via an internal 24vDC power source inside the machine cabinet
- The EditLock unit holds the ladder program that determines the function of the unit
- The INPUT relay(s) are used to capture the Cycle Start signal(s) from the CNC machine control
- The OUTPUT relay(s) are used to control the EditLock functions when the unit is under software control

LIMITATIONS:

- Requires Predator DNC or PDM
- CNC must have a key switch
- If CNC program "offsets" are used, the control may not support editing once locked and will require a manual override via barcode or DNC/PDM client
- Requires barcode reader, DNC client or "P-Remote" command to trigger the functionality



MACHINE:

- EditLock on a CNC Machine

Shop Floor Automations, Inc. **Phone:** (619) 461-4000 **Web:** www.ShopFloorAutomations.com
5360 Jackson Drive, Suite 202 **Toll Free:** (877) 611-5825 **Email:** sales@ShopFloorAutomations.com
La Mesa, CA 91942-6003 **Fax:** (619) 461-5918

