Security Software for Rowe BC series machines

There are two security programs that have been in Rowe's software for years. They can be quite effective against "stringing" when used together. Having said that- nothing is perfect.

FAST-FEED program

This program allows you to determine a maximum # of bills to be accepted within a given time span.

1) Move program sw. on CCC to PROGRAMMING MODE.

2) Press FUNCTION/RESET twice. Display should show "PROGRAMMING -----".

3) Press the UP ARROW button until the display shows "PROGRAMING 11--", then press the VALUE button once.

4) Press the UP ARROW button until the display shows "PROGRAMMING 1129".

5) Press the VALUE button once. The FAST-FEED menu is now active.

EX- Turning $1 bill FAST-FEED Off

6) When entering the FAST-FEED menu, the display will show "$1 OFF". The OFF should be flashing. IF not, press the DOWN ARROW button until the OFF appears.

EX- Turning $5 bill FAST-FEED On

7) Press the VAULE button once. The display will show"$5 OFF" or "$5 X Y Z"; with X,Y,Z being numbers between 1 and 15. "X" represents the maximum number of bills to be taken. "Y" represnts the time limit in minutes for the bills in "X" to be taken. "Z" represents the time in minutes to shut the bill change down if "X" number of bills are taken within "Y" minutes.

8) Press the UP ARROW button until the number in location "X" is 5.

9) Press the HOPPER button once. The number in location "Y" should be blinking. Press the UP ARROW button until the number in "Y" is 3.

10) Press the HOPPER button once. The number in location "Z" should be blinking. Press the UP ARROW button until the number as location "Z" is 2. The changer is now programmed to shut down for two minutes if five $5 bills are inserted within three minutes.

EX- Turning "ALL" bills FAST-FEED ON

11) Press the VALUE button once. The display should show "ALL OFF" or "ALL X Y Z" as in step 7.

12) Set the numbers for locations "X", "Y", and "Z" to (10, 4, 5) using steps 7,8, and 9 as a guide. When finished, the changer will shut down for five minutes if 10 bills are inserted within four minutes.

13) Move the PROGRAMMING SW back to the NORMAL position. The FAST-FEED shutdown feature is now active for $5 bills and ALL bills- per the examples used above.

In the FAST-FEED SHUTDOWN menu, the FUNCTION button has no effect on the display or on the limits. The HOPPER button selects the "X", "Y, and "Z" locations allowng the numbers at those locations to be changed. The VALUE button changes between active bill denominations. The UP ARROW and DOWN ARROW buttons change the numbers in locations "X", "Y". and "Z". When the FAST-FEED limits are being programmed, only bill denominations that have been turned on in the main menu will be shown. When a FAST-FEED shutdown is in progress, the display on the CCC will show "FAST FEED SHUTDN".

ANTI- PULLBACK program

This program trys to detect when a bill with tape on it is being pulled back out the front of the BA50 acceptor. (Note- if your belts are extremely worn-this will not be effective). The transport can be programmed to shut down from 2 to 99 miutes, or permanently, when a pllback is detected. The only way to exit the permanent shutdown state is to press the FUNCTION/RESET button. (It is not necessary to enter Programmin Mode to use the RESET button for this). In addition, after a pulback shutdown has occured, the shutdown period has run its course, and the machine is put back into operation, the timer continues counting and this elaped time is visible in the display when other messages are not using the display. This anti-theft feature setup is described in detail below.

Pullback Timer Setup

1) Move the PROGRAMMING SW on the CCC to Programming Mode. The display should read "TEMP COUNTERS".
2) Press the FUNCTION / RESET button twice. The display should read "PROGRAMMING -- --".
3) Press the UP ARROW button until the display shows "PROGRAMMING 11 --". Then press the VALUE button once.
4) Press the UP ARROW button until the display shows "PROGRAMMING 11 30", then press the VALUE button once. The Pullback Timer Setup line is now active. The display should read "PULLBK SHTDN mm", where mm is "OFF", "INF", or a number from 2 to 99. The number represents the minutes that the machine will be shutdown when a pullback is detected. Used the UP and DOWN ARROW buttons to select the time you want the machine to be shut down when a pullback is detected. If the number is decremented down to one, "INF" is displayed, representing an infinite (permanent) time that the machine will be shut down. If the number is decremented again (to 0), "OFF" is displayed and the Anti-Theft feature is disabled.
5) Press the VALUE button to exit the Pullback Timer Setup line.
6) Move the PROGRAMMING SW. back to NORMAL Mode position.

Pullback Timer Display
If a pullback has occurred anytime in the previous month, the Pullback Timer Display appears on the display. The line reads "PLBK dDhh:mm AGO", Where "d" is the number of days since the pullback occurred. If the day count exceeds nine, "A" represents 10 days, "B" to represent 11 days, etc.
"hh" is the number of hours (0 to 23) since the pullback occured. "mm" is the number of minutes since the pullback occurred.

After recording the time-since-pullback, press the FUNCTION button to reset. The display will show "PLBK TIMER CLR'D" , indicating the timer is reset to zero. Note that turning the bill changer off, then on, will NOT clear the pullback timer display. The only way to clear the timer dispaly (besides another pullback being detected) is to press the FUNCTION / RESET button when the timer is being displayed. (It is not necessary to enter Programming Mode to use the RESET button for this. This method was employed so that the timer will continue counting if the machine temporarily loses power sometime after a shutdown. Note that the timer does not count while the machine is off; therefore the power-off time must be known to accurately determin when the pullback was attempted.