

Tech Tips

Topic: How to disable code tamper

Product: Velocity

Explanation: Velocity has the ability to deny access after a preset number of invalid access attempts have been generated. Generally three consecutive bad card or pin attempts will cause a code tamper and will lock out the reader/keypad for 1 minute. Once this threshold has been reached, even valid credentials will be unable to access the reader until the controller's lockout time period has passed. The code tamper settings work off of timers and thresholds. The default values are shown below.

The screenshot shows the 'Controller-M2 - 2 V\XNET.001.0010.002.02 Properties' dialog box with the 'General' tab selected. The 'Code Tamper Alarm' section is expanded, showing the following settings:

- Invalid penalty timer: 20 seconds
- Threshold timer: 50 seconds
- Lockout time: 1 minutes

The 'Special Needs Time Extensions' section shows:

- Delay: 0 seconds
- Mode: 0 seconds
- DOTL: 0 seconds

The 'Options' section includes:

- Enable duress alarm mode
- Empty local alarm via reset
- Validate on dual CCOTZ
- Validate immediately CCOTZ
- Enable global credential management
- Enable global MCZ

The 'Options for Local Keypad Programming Only' section includes:

- Timeout: 8 minutes
- System code: 12345678
- Disable
- Gen codes with duress digit
- Enable local system code reset
- Local printer shows new credential codes
- AutoGen code length: 7
- Duress digit: 9
- Reduce AutoGen printout

The 'Alarm Relay Timers' section shows:

	Timer:	Map to relay:
General:	60 Sec	0
Duress:	60 Sec	0
Tamper:	60 Sec	0
Trouble:	60 Sec	0

The 'SCIB' section shows:

- Baud: 9600
- Parity: None
- Data bits: 8
- Stop bits: 1

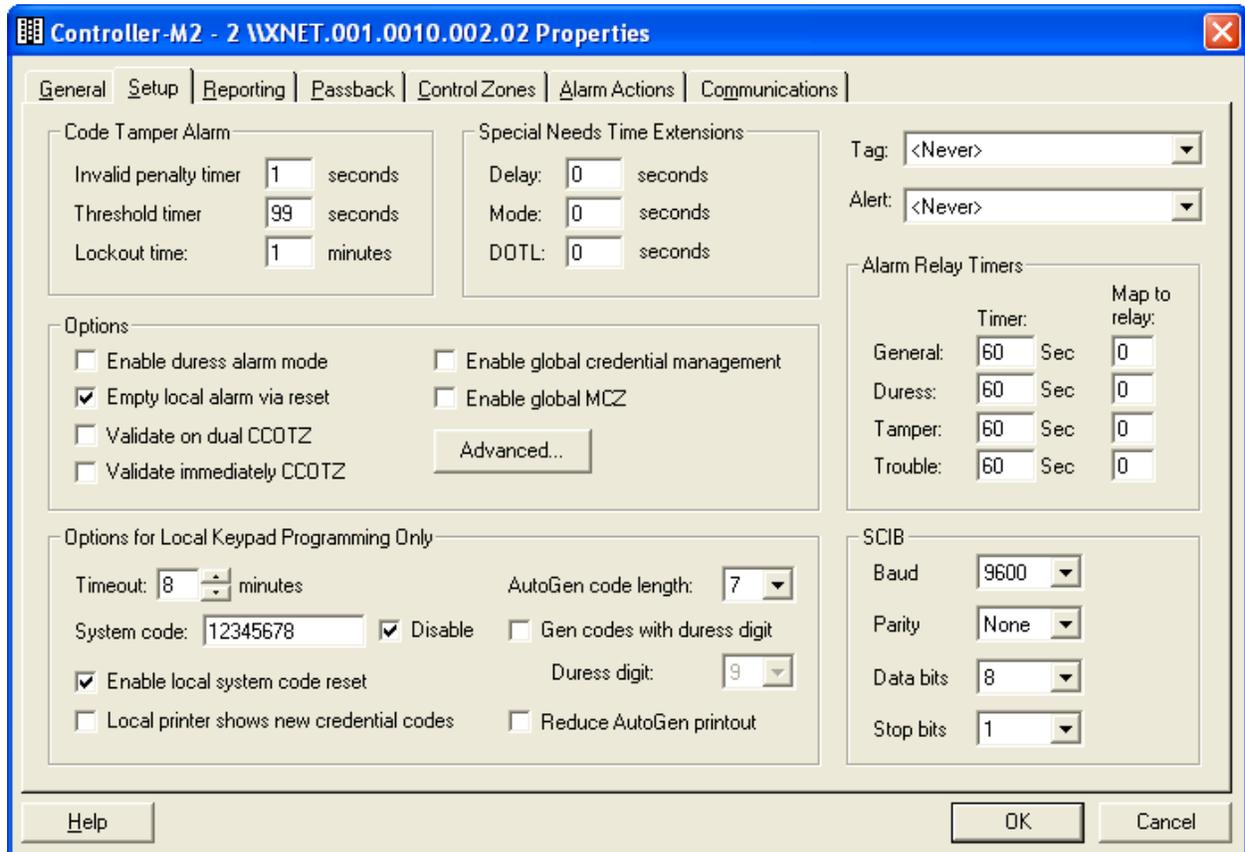
The dialog box has 'Help', 'OK', and 'Cancel' buttons at the bottom.

When the first invalid code/pin is entered this will trigger the Invalid penalty timer and starts counting down from its default value of 20. If the timer is down to 15 and a second invalid code/pin is entered this will add 20 seconds which will place it 35 and start counting down from there. If the counter is down to 33 and a third invalid code/pin is entered then it will add 20 to it which will take it up to 53. This will exceed the Threshold timer of 50 which will cause a code tamper alarm and lock the reader out for 1 minute.

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Trouble shooting steps: Code Tamper can be disabled on a per controller basis within the Controller Properties / Setup tab. One way to disable the Code Tamper Alarm feature would be to set the timers in such way that the threshold will be impossible to reach.

For example; setting the Invalid Penalty Timer to 1 and the Threshold Timer to 99



Using these settings will prevent the possibility of a code tamper alarm from occurring on any reader or keypad on this controller.