

Security Basics

Read/Write Drive parameters that cannot be changed (indicated by that parameter not flashing when the MODE key is depressed), is being protected by a security code. The security code can be the “as shipped factory default code” or a User assigned code, referred to as a Level 3 Security Code.

The “as shipped” security codes for these drives are :

Level 1 XX.00 = 149 Partial Access

Level 2 XX.00 = 200 Full Access

The Level 3 Security Code parameter is #11.17. The “as shipped” value in this parameter is 149. After a security code is entered, it will remain in effect until power is removed from the drive. If you wish to re-establish this security, you can place a number other than 149 or 200 into XX.00¹ before walking away from the drive.

User Security Code Assignment

A User can assign their own 3 digit security code within the range of 0-255 by placing it into #11.17 (writing over the 149) and performing a STORE². Note that this does not eliminate or change the Level 1 security code number — 149.

From this point forth, access to parameters will require that code to be placed into XX.00. After this code is entered, you must still enter the Level 1 access code to obtain Level 1 parameter change access or the Level 2 access code to gain access beyond Level 1 parameters.

Forgotten Security Codes

People often forget their security codes. You can always see the assigned security code parameter (#11.17) via the serial port with CTFile, DriveCom, Mentor II View or MentorSoft. However, from the Drive, you must go in through the “back door” or simply default the entire Drive by placing either a 233 or 255 into XX.00 followed by a Reset. This would re-assign the 149 security code but you would now have to replace all application specific Drive configuration parameters and STORE.

“The Back Door”

To obtain the forgotten security code, you can DEPRESS and HOLD both the MODE key and the LEFT ARROW key and APPLY POWER to the drive. The Level 3 security code number should immediately appear on the data display, which normally displays the contents of parameter #0.00 upon application of power.

If the power-on or “boot-up” parameter (see parameter #11.18) was changed from the default of #0.00, the Level 3 security code will not immediately appear. You must up or down arrow to any menu XX.00 to see the forgotten security code.

Security Bypass

During initial start-up of the drive, having to enter the security code after each power-up can become a nuisance and slow down the start-up process. To bypass or eliminate the need to enter a security code, one can accomplish this by placing a 0 into parameter #11.17 and performing a Store.

If this bypass is done to speed up the start-up process, you should remember to re-assign the 149 default to #11.17 (and Store) before leaving the job site. Otherwise, the drive will have no parameter access security.

¹ XX.00 refers to - any menu location zero i.e. 00.00 through 16.00.

² Placing a 001 into XX.00 following by a RESET will perform a parameter store of all R/W parameters.

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