

CenterONE interface to AutoCAD

Symbol Library & Form Drawings Installation Instructions

Use these instructions to help you set up your AutoCAD symbol library for use with script files that have been generated using CenterONE.

ATTENTION: Individuals using the following procedure should have a thorough understanding in the use of AutoCAD as well as a working knowledge of basic Windows functions such as file movement, folder creation, etc.

Recommended Tools: CenterONE Version 3.66 (or newer software) and AutoCAD Release 14 (or newer) or AutoCAD LT 98 (or newer) software.

AutoCAD Setup Instructions:

- 1) The CenterONE installation process will give you the choice of either
 - a) copying the CenterONE AutoCAD Symbol library from the CenterONE CD-ROM to a directory on your hard drive, or
 - b) using the CenterONE CD-ROM as the source for the CenterONE AutoCAD symbols.

TIP: The symbol library might be copied into
C:\ProgramFiles\RAISE\Center1\AutoCAD\Symbols.

- 2) The installation process will then attempt to locate the AutoCAD directory containing the executable file which launches AutoCAD.

For example, in AutoCAD Release 14, the default location for this directory is C:\Program Files\AutoCAD R14).

Upon its discovery of this directory, CenterONE will place a copy of two files (F3850515.DWG and FORM1LNE.DWG) in that folder. If AutoCAD is installed on a network drive, you will be prompted to provide the appropriate location for this directory.

- 3) If that installation fails, these two files will be placed in a CenterONE sub-directory (for example, C:\Program Files\RAISE\Center1\AutoCAD\Symbols.) The user will then need to manually place a copy of F3850515.DWG and FORM1LNE.DWG (*with their read-only attributes **removed***) into their AutoCAD Start-up directory.

- 4) You may manually install the files F3850515.DWG and FORM1LNE.DWG to your hard drive from the CenterONE CD-ROM if you so desire, although it is very **important** that you remember to **remove the read-only attribute** from both of these files before running any CenterONE script files in AutoCAD (files copied to a hard drive from a CD-ROM may otherwise be marked as Read-Only). In Windows, use either File Manager or Explorer to locate and then single-click on the F3850515.DWG file. Select FILE from the Windows menu, and then select PROPERTIES from the following sub-menu. Remove the Read-Only attribute from the file. Repeat this procedure for the FORM1LNE.DWG file.
 - (1) **NOTE:** Failure to remove this Read-Only attribute will cause the program to halt with an error message stating Drawing is Write Protected.

- 5) Start Up Wizards When Launching AutoCAD.

TIP: If you are using AutoCAD Release 14 or AutoCAD LT 98 or AutoCAD 2000, when you first launch the program a Start Up Wizard (dialog screen) may appear. If it does, you **MUST** click CANCEL at this point. If you do not, the script files will not run properly.

6) During the CenterONE installation process, as discussed in point 2.) above, if the AutoCAD startup directory on that computer was discovered, then the following entry designating the location of the CenterONE AutoCAD Symbols library should have been made on the AutoCAD support path line. If this was not successfully done during the CenterONE installation process, it can be added as follows.

a) Support Path For **AutoCAD 2000** –

To get started, in the command line TOOLS menu, select OPTIONS. On the tab dialog which follows, select the tab FILES. There, you will see the listing SUPPORT FILE SEARCH PATH. To see all those existing paths, you need to click on the "+" sign to the left of this listing title. If the path to your CenterONE symbols is not there, you need to add it. Click on the Add button and then, on the new path line which will appear, enter the location where the CenterONE AutoCAD Symbol library is installed: for example, "C:\Program Files\RAISE\Center1\AutoCAD\Symbols" and then OK it. Or, if the path to your CenterONE Symbols folder is not shown, click on the Add button and then click on the Browse button to browse for the Symbols folder, select the folder to highlight, and click OK at the Files tab. Restart AutoCAD and your script(s) should run if the other parameters described in this document are in place.

b) Support Path For **AutoCAD Release 14** –

In the command line TOOLS menu, select PREFERENCES. On the screen which follows, select the tab FILES. There, you will see the listing SUPPORT FILE SEARCH PATH. To see all those existing paths, you need to click on the "+" sign to the left of this listing title. If the path to where your CenterONE symbols is not there, you need to add it. Click on the Add button and then, on the new path line which will appear, type the location where the CenterONE AutoCAD Symbol library was installed: for example, "C:\Program Files\RAISE\Center1\AutoCAD\Symbols" and OK it. Or, if the path to your CenterONE Symbols folder is not shown, click on the Add button and then click on the Browse button to browse for the Symbols folder, select the folder to highlight, and click OK at the Files tab. Restart AutoCAD and your script(s) should run if the other parameters described in this document are in place.

c) Support Path For **AutoCAD LT 98**, or NT –

At the command line TOOLS menu, select PREFERENCES. On the next screen, select the tab FILES. There, you will see the listing SUPPORT FILE SEARCH PATH. To see all those existing paths, you need to click on the "+" sign to the left of this listing title. If the path to the location of your CenterONE symbols is not there, you need to add it. Click on the Add button and then, on the new path line which will appear, type the location where the CenterONE AutoCAD Symbol library was installed: for example, "C:\Program Files\RAISE\Center1\AutoCAD\Symbols" and OK it. Or, if the path to your CenterONE Symbols folder is not shown, click on the Add button and then click on the Browse button to browse for the Symbols folder, select the folder to highlight, and click OK at the Files tab. Restart AutoCAD and your script(s) should run if the other parameters described in this document are in place.

NOTE: The Support path may have been entered automatically during the installation of CenterONE, if Step 1.) and Step 2.) above were successfully and completely carried out.

TIP: Failure to complete this step, will result in an error message stating "File Not Found", as the program tries to insert devices, during the running of a script file.

7) Run the script files (*.scr) which have been generated using CenterONE.

NOTE: If you want your AutoCAD drawings in other than English (French and Spanish are currently the other languages supported); or if you want drawings with IEC symbols and/or Kilowatt data, make these selections within your CenterONE workup at the MCC Setup Sheet titled AutoCAD, **before** you create your script files in CenterONE.

TIP: In AutoCAD Release 14, AutoCAD 2000 or in AutoCAD LT, running a script file is as easy as going to the TOOLS dropdown menu and selecting RUN SCRIPT from the list of commands. You will then be prompted to provide the location of the script file that you would like to run.

8) When AutoCAD is finished running the script file, it will save the drawings it has created, erase all changes made to the Form drawings, and it will close AutoCAD. You will then need to find and open the drawing files that were created, in order to view them or use them. AutoCAD saves both the Detail / Front Elevation and One-Line Diagram drawing files in the directory from which AutoCAD is launched. For Detail / Front Elevation drawings, the first character in the name of the file is always the letter f, followed by seven numeric digits (e.g. f0000001.dwg). For One-Line Diagram drawings, the first character is always the letter o, followed by seven numeric digits (e.g. o0000001.dwg).

NOTE: From this point on, these are **your** AutoCAD drawings, so you may rename them and/or relocate them as you see fit.

IMPORTANT TIP: AutoCAD must be exited after each script execution.

If a script file is re-run without first quitting out of AutoCAD and re-launching AutoCAD, you will corrupt the Form Drawing and you will have to repeat Step 3.

Please forward your questions / comments to:

CenterONE Help Desk

Rockwell Automation/Allen-Bradley Company

Low Voltage Motor Control Center Business

1201 South 2nd Street

Milwaukee, WI 53204

Email: racenteronesupport@ra.rockwell.com

Phone: 440-646-5800 (Rockwell Automation Technical Response Center)

Then make the following sequence of selections:

2 (Allen-Bradley products);

5 (Motor Control Centers);

2 (CenterONE Support)

FAX: 414-382-0273