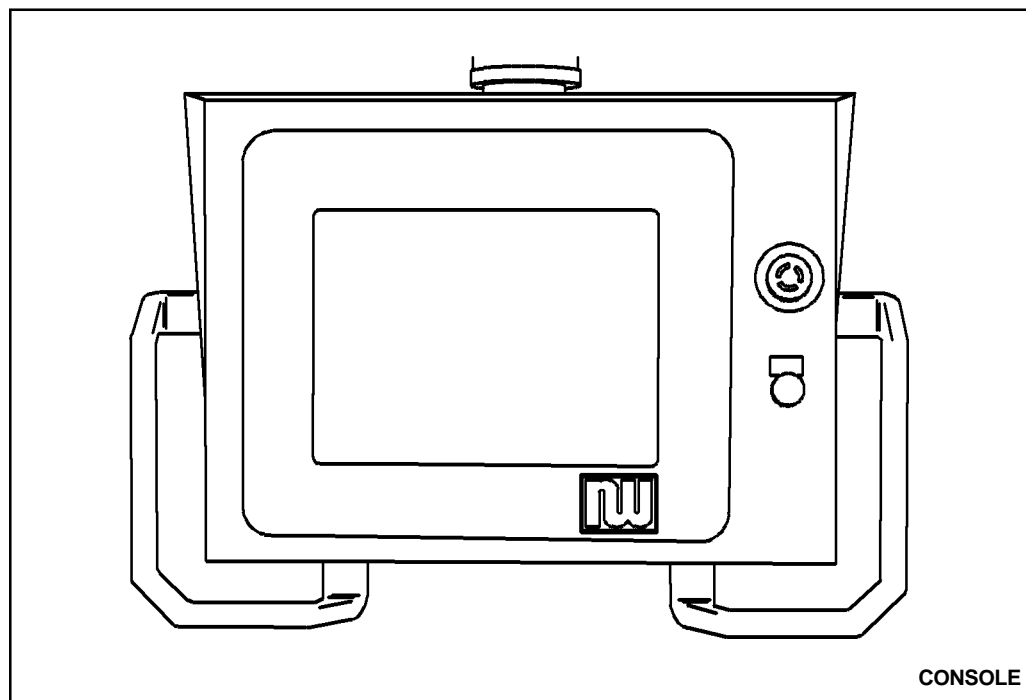


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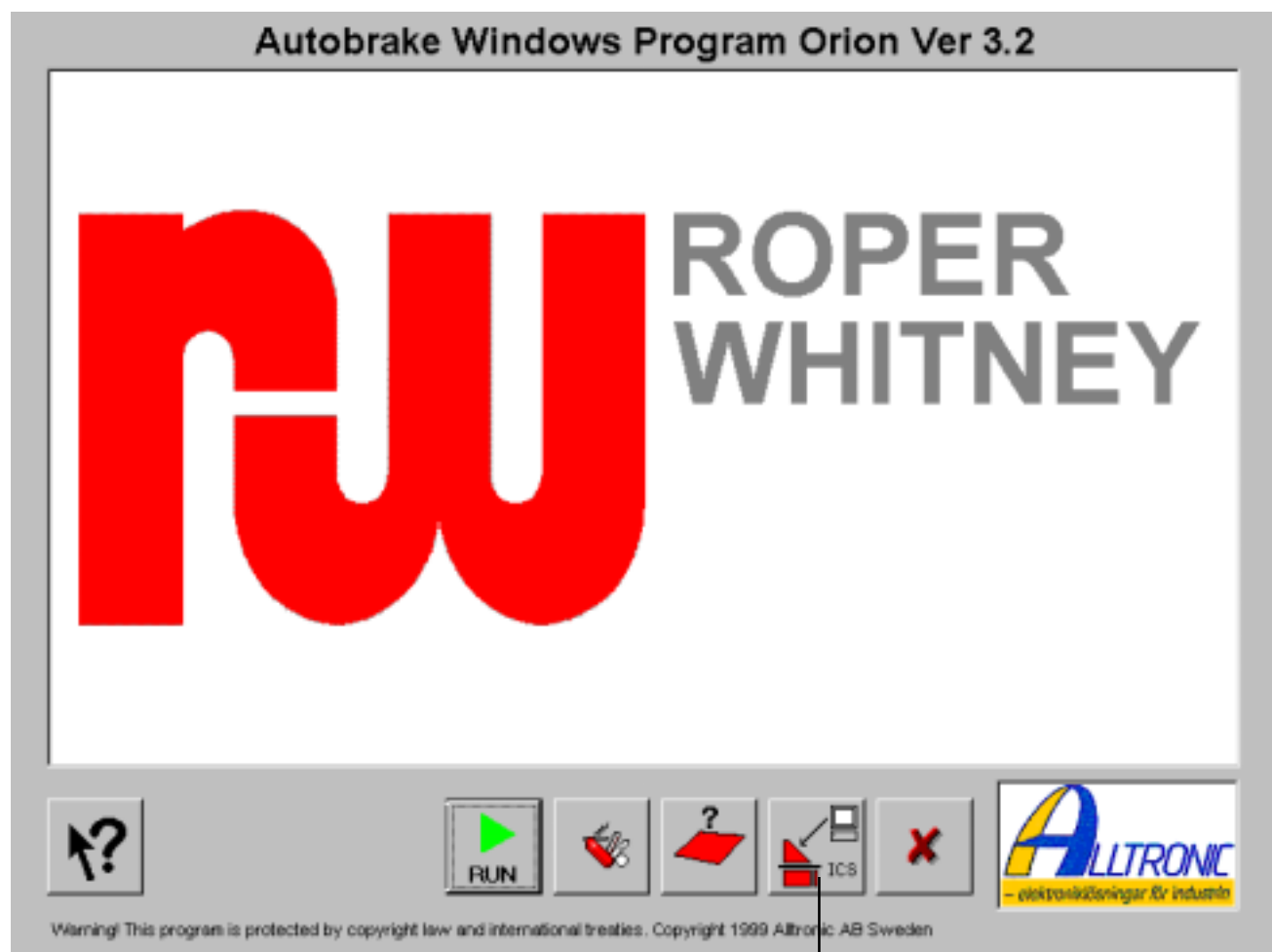
ORION CONTROL SYSTEM

Appendix A Upgrading the ICS



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MAINSCR

ICS
Software
Download
Touchbutton

Figure A-1. Orion Control System Mainscreen

APPENDIX A

UPGRADING THE ICS

From time to time it may be necessary to upgrade the machine ICS. This generally is the case when a power failure or machine malfunction has somehow corrupted the program base contained within the ICS.

The ICS upgrade must be performed by a machine technician. It should be performed whenever the ICS is suspected of malfunctioning, before any additional bending is performed.

Shut down the machine according to the instructions contained in Section 9, Shutdown, of the Orion Control system Technical Manual.

Restart the machine and the control system computer according to the instructions contained in Section 5, Start-Up, of the Orion Control system Technical Manual.

When the Main Screen, shown in Figure A-1 appears, touch the Software Download Touchbutton. The system will ask for the system password.

Enter the password. The Select File Display, Shown in Figure A-2 will appear.

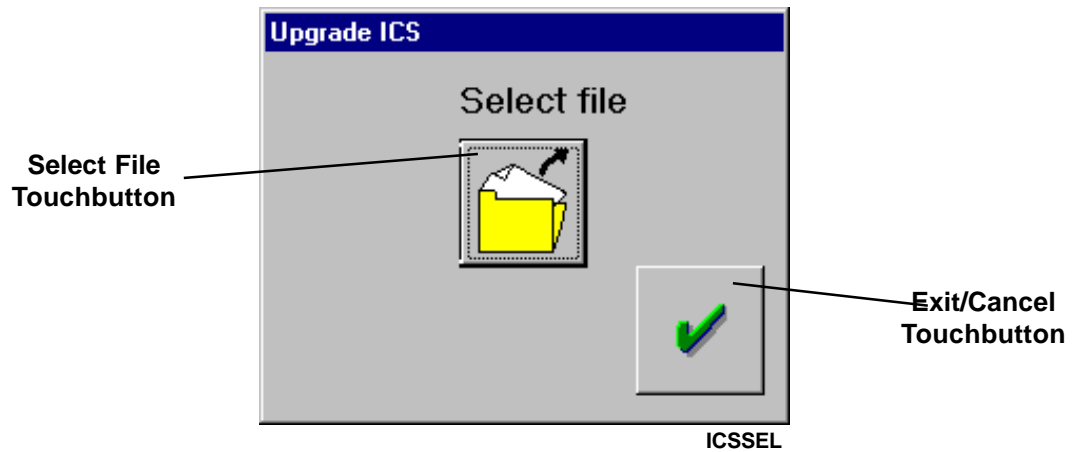


Figure A-2. Select File Display

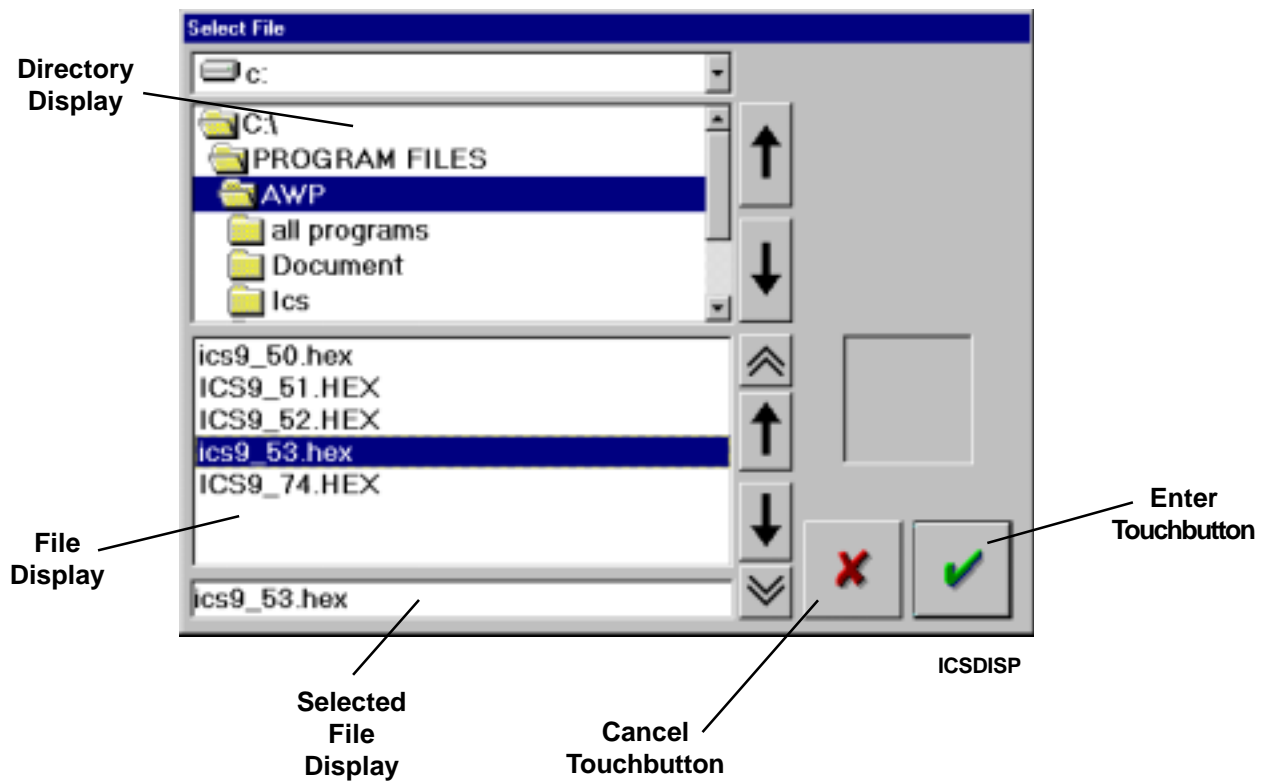


Figure A-3. ICS File Selection Display

When the Select File Display appears, press the Select File Touchbutton. The ICS File Selection Display (Figure A-3) will appear.

ICS Upgrade Files are contained in the **AWP** Directory, and are identified by the **.HEX** extension after the file name.

Touch the **AWP** Directory in the Directory Display to highlight it. The **.HEX** files will appear in the File Display.

Touch the appropriate **.HEX** file to highlight it. It will appear in the Selected File Display. If the correct **.HEX** file is not known, contact Roper Whitney.

If an incorrect file name appears in the Selected File Display, touch the Cancel Touchbutton to return to the Select File Display.

When the correct file name appears in the Selected File Display, touch the Enter Touchbutton to begin downloading the file to the ICS (see Figure B-4).

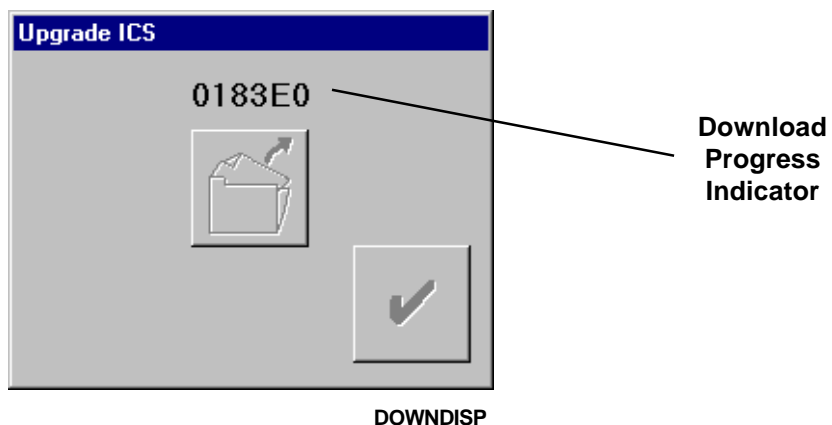


Figure A-4. Download Progress Indicator

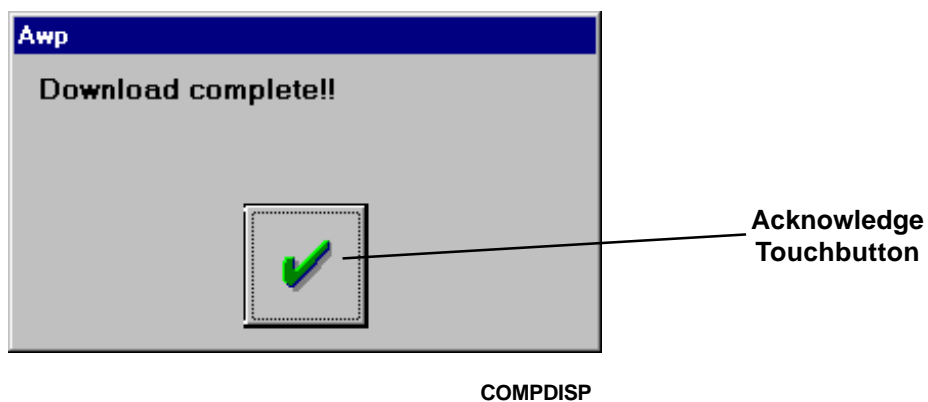


Figure A-5. Download Completed Display

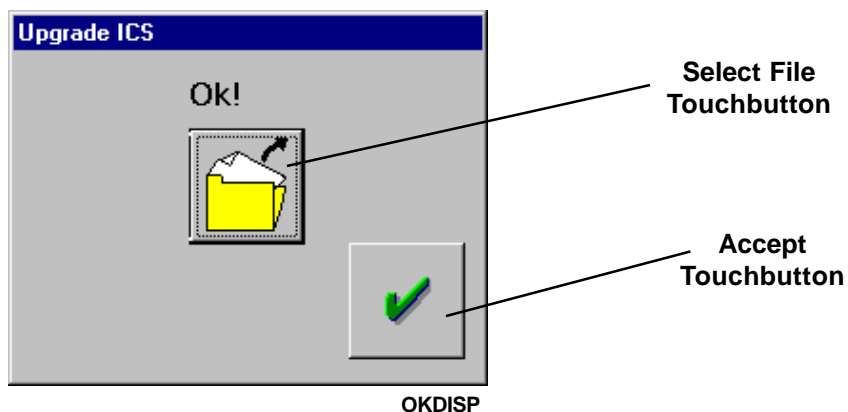


Figure A-6. Accept Download Display

During the download process, a series of HEX numbers will appear over the Select Touchbutton in the Select File Display (see Figure A-4).

When the downloading is completed, the ICS has been upgraded, and the Download Completed Display (Figure A-5) appears. Touch the Acknowledge Touchbutton to bring up the Accept Download Display.

When the Accept Download Display appears, you can either download a different upgrade, or accept the upgrade already downloaded.

If you wish to download a different upgrade, touch the Select File Touchbutton. Figure A-3 appears and the upgrade process can be repeated.

If the upgrade process is acceptable, touch the Accept Download Touchbutton to return to the Main Screen (Figure A-1). The machine is now ready to be operated.

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