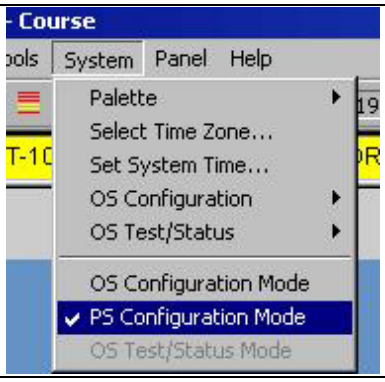
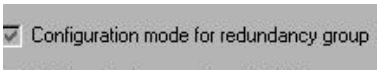
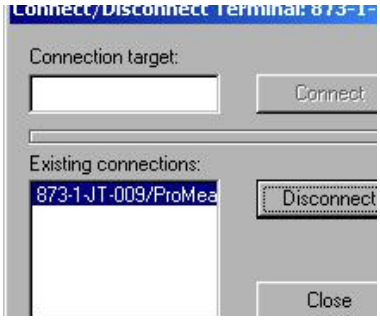
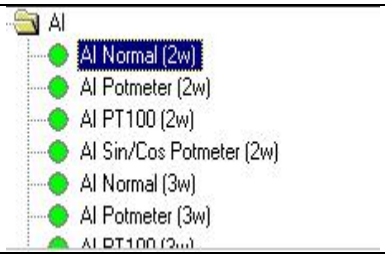
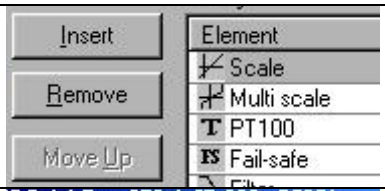
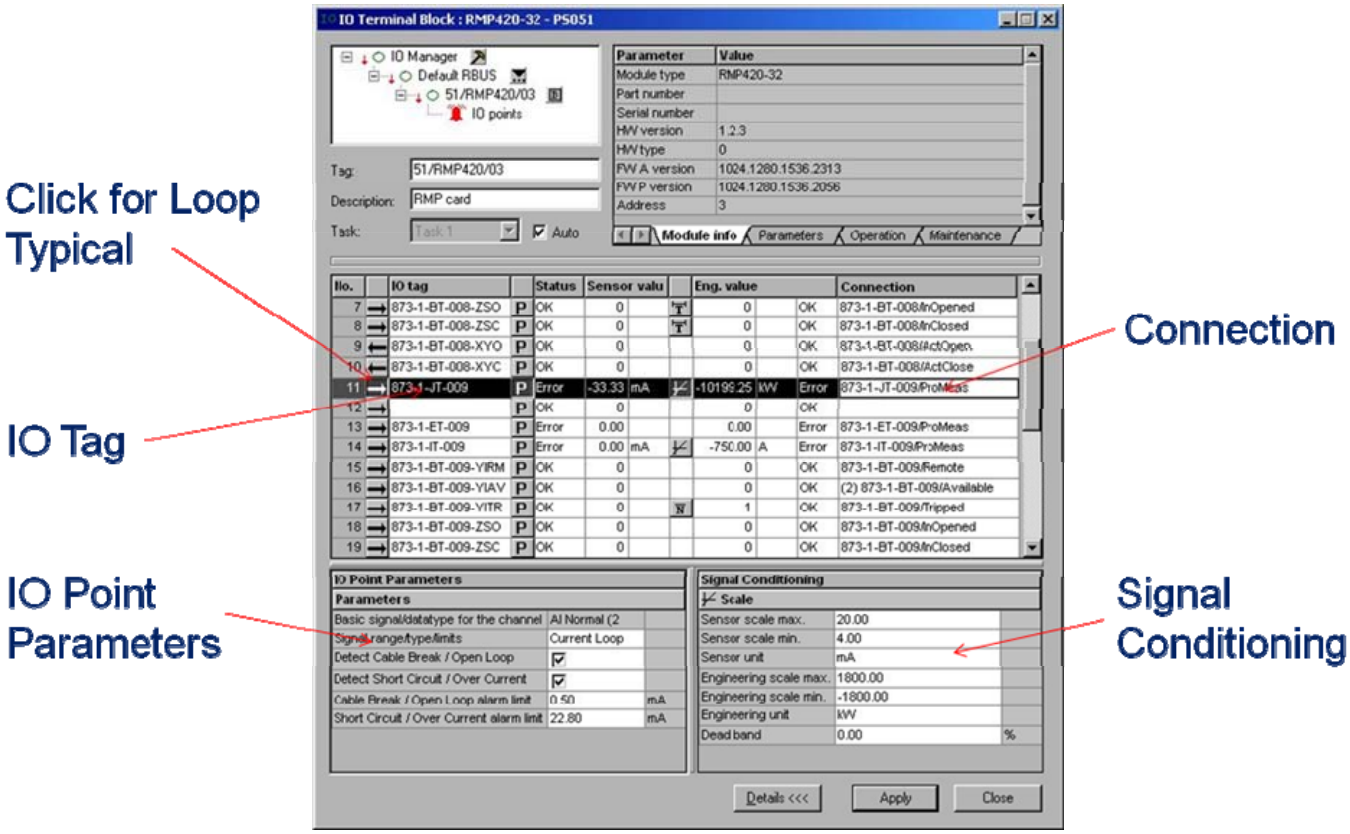
Changing IO – K-Chief 700/AIM2000

The following document will take you through the process of changing IO. Signal types that can be connected will depend on type of RIO. An overview of the *IO Terminal Block* is given at the end of this document.

✓ Log in as *Chief* (or similar). ✓ Select *PS Configuration* under *System*	
✓ For a redundant PS it is necessary to "Set Configuration Mode for Redundancy Group[1]" in *PS Operation*.	
✓ Make sure that you have a spare IO Point available (Spare IO Point has to be on the same PS). ✓ Take a note of all IO Point details (i.e. print it out). It is critical to remember *Tag* and *Terminal*. ✓ Disconnect the original IO Point by clicking in the *Connection* column, and click *disconnect* in the dialog box that appears.	
✓ The new IO Point has to be configured to the same signal type as the original, click the arrow to the left of the new IO Point and select correct loop typical.	
✓ Connect the new IO Point to the correct *Tag* and *Terminal* by clicking the *Connections* column. Type *tag name* and press enter, select *terminal* from the list that appears, and press connect.	

[1] Configuration Mode for Redundancy Group will degrade RCU B; the system will assume that RCU A and RCU B are different due to configuration changes. The mode can be cleared by a PS backup of RCU A. RCU B then has to be restarted in order to download new configuration files.

✓ IO Point Parameters have to be set according to the settings of the old IO Point, make changes in the lower left corner.	
✓ *Signal Conditioning* set correct signal conditioning on the new IO Point. Left click in the column *Eng. value* and select Signal Conditioning from the right click menu.	
✓ The information in the *IO Tag* column has to be *cut* and *pasted* from the old IO Point to the new. Add a new comment in the IO Tag column of the old IO Point (e.g. broken).	
✓ You can now connect the field wires to the new IO Point (Check correct Loop Typical).. ✓ Store PS Configuration (PS Backup). ✓ Reset RCU B if your changes were done on a redundant PS.	



1: IO Terminal Block