## Check for PLC Mayor Fault

## **Dome PLC1 and Dome PLC2**

The easy way is to check the PLC faulty led in front of the PLC see figure 1



Fault Led

How to clear a mayor PLC fault: 1- Power cycle to the PLC in fault.

2- Open the proper project:

-Open my documents

-Open directory Programas RSlogix500

-To open it, click in the right project, see figure 2 (DOMEPLC1yDACver20080401.RSS = Control Room PLC), DOMEPLC2yDACver20080331.RSS= Dome PLC

Figure 2

COMEPLC1yDACver20080401.RSS

Name



Now open 'Comms' and Go Online

Click in FAULTED and Goto Error, see figure 4.



It pop up a window like this, see figure 5.

Figure 5		
🖉 Data File S2 STATUS		
MainProcScan TimesMathChan 0DebugEFault Override At Powerup S:1/8 = 0Startup Protection Fault S:1/9 = 0Major Error Halt S:1/13 = 1Math Overflow Trap S:5/0 = 0Control Register Error S:5/2 = 0Major Error Executing User Fault Rtn. S:5/3 = 0Battery Low S:5/11 = 0Input Filter Modified S:5/13 = 0ASCII String Manipulation Error S:5/15 = 0	rrors Protection Mem Module Forces   Fault Routine S:29 = 3 Major Error S:6 = 187h   Error Description   I/O configuration mismatch, check Image: Configuration mismatch, check   module 1. The expansion I/O Image: Configuration mismatch, check   configuration in the user program did Image: Configuration, or   specified a module that was not found, or Image: Clear Major Error	
S2 Properties Usa	Radix: Structured 💌	

For record, it is good idea to write the Major Error S:6=?

Now you are ready to click on **Clear the Major Error**. Now the processor should switch to REMOTE PROG

Figure 6		
RSLogix 500 - DOMEPLC2		
File Edit View Search Comms Tools W	/indow Help	
D 🗳 🖬 🕼 🕺 🖬 💼 🗠 🗠	0:1.*	
REMOTE PROG 🛃 No Forces 🔮 📰 🦉		
No Edits 🛃 Forces Enabled 🛃		
Driver: AB_DF1-1 No	ode: 1d	
🕅 DOMEPLC2	谿 LAD 2	
Project	En En Exi	
🕂 💼 Help		
Controller		
1 Controller Properties	0000	
IO Configuration		
⊕ 🕂 Channel Configuration		

Got to **REMOTE PROG** and click in Run, see figure 7





Now the **REMOTE RUN** message appear, see figure 8.



At the end, if everything is ok we have to Go Offline, see figure 9.



Do not save any thing, just exit from the programme.

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