Exercise – Hardware Setting

Learning Outcomes

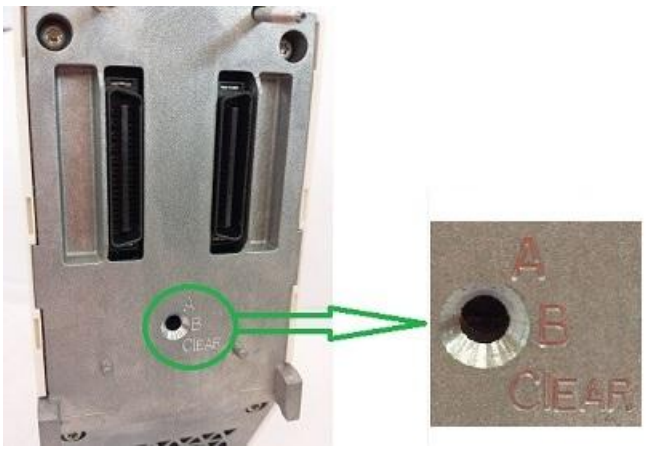
By the completion of this exercise you will:

- Configure the identity of the physical HSBY processor.
- Create a simple daisy chain loop of a M580 HSBY ePAC system.

Determine which CPU to be setup as A or B (You will need the Equipment for this part of the exercise)

i. Before starting any HSBY project, we need to decide which CPU to be setup as CPU A or CPU B.

On the back of the processor module, you will find a small rotary switch.



ii. Decide one of the HSBY CPU to be designated as **A**. Use a small screwdriver provided and change the rotary switch pointing to position **A**.

iii. Mount this **CPU A** onto the CPU local rack.

iv. The other HSBY CPU will be designated as **B**. Similarly, use a small screwdriver and change the rotary switch position to **B**.

v. Mount this **CPU B** onto the other CPU local rack.

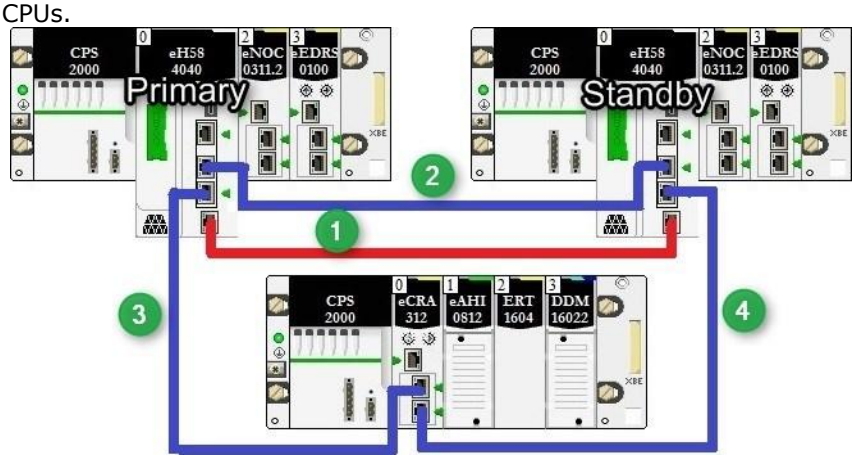
Hints & Tips

This procedure is important to identify the physical processor module in Hot Standby system architecture.

Exercise – Hardware Setting (cont.)

Connect the hardware for a daisy chain loop

i. Use a patch cable to link the two dedicated ports of the two M580 HSBY CPUs.



ii. Take a long Blue patch cable and connect the ETH2 port from the Primary M580 HSBY CPU to the ETH2 port on the Standby M580 HSBY CPU.

iii. In the same manner, use another short Blue patch cable and connect the ETH3 port from the Primary M580 HSBY CPU to the ETH2 port on the BME CRA 312 10.

iv. To make a simple daisy chain loop, loop back by connecting the ETH3 port of the BME CRA 312 10 to the ETH3 port of the Standby M580 HSBY CPU.

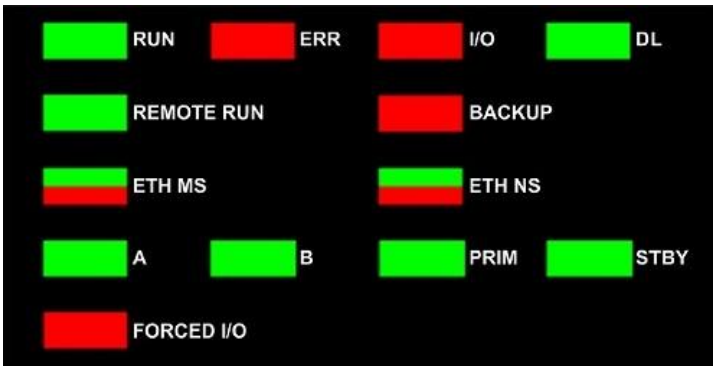
v. Switch both PLCs to ON.

vi. Observe the LEDs behaviour of both M580 HSBY CPUs and the CRA module.

Exercise – Hardware Setting (cont.)

Test the functioning of the M580 HSBY

i. Locate the Primary CPU Using the LED panel on the CPU:



ii. Unplug all cables from this CPU.

iii. Check that the other CPU is now Primary.

iv. The exercise is now over click the link to go back to the Chapter 2 Organisation Chart or to the Table of Contents.