

RCS & E-CON Absolute Reset Procedure (Old)

This is a procedure for absolute reset for initial set up, after battery replacement, or when encoder/battery cable has been disconnected from the controller.

1. Please connect Motor and Encoder cable and also Brake cable if applicable.
2. Please wire to PLC or outside devices with I/O cable.
3. If you use more than two axes, please set the axis number by using Controller SW1 (SW1-4 for RCS-E).
4. **Please move Actuator Slider or Rod against mechanical end in Home direction.**
5. **Please turn Controller SW2-No.1 (SW5 for RCS-E) Switch ON. (Flip to right side.)**
***Please see the attached pictures for RCS-C.**
6. **Please connect Battery to Controller and then the main power.**
7. **Please confirm RDY on the LED indicator.**
8. **Please turn Controller SW2-No.1 (SW5 for RCS-E) back to OFF. (Flip to left side.)** ^{Note 1}
Absolute reset procedure has been done. The HOME location will be set approximately 5mm from the Mechanical End.
9. If you start operation right after this procedure, turn on PIO-STOP Signal and Servo ON Input.

Note 1: If SW2-No.1 remains ON (SW5 for RCS-E), the system will do absolute reset after next power on.

Note 2: Actuator needs to be absolute type. Standard RCS Actuator cannot be used for Absolute option.

Note 3: Please disconnect Battery when Encoder cable is disconnected.

RCS & E-CON Absolute Reset Procedure (New)

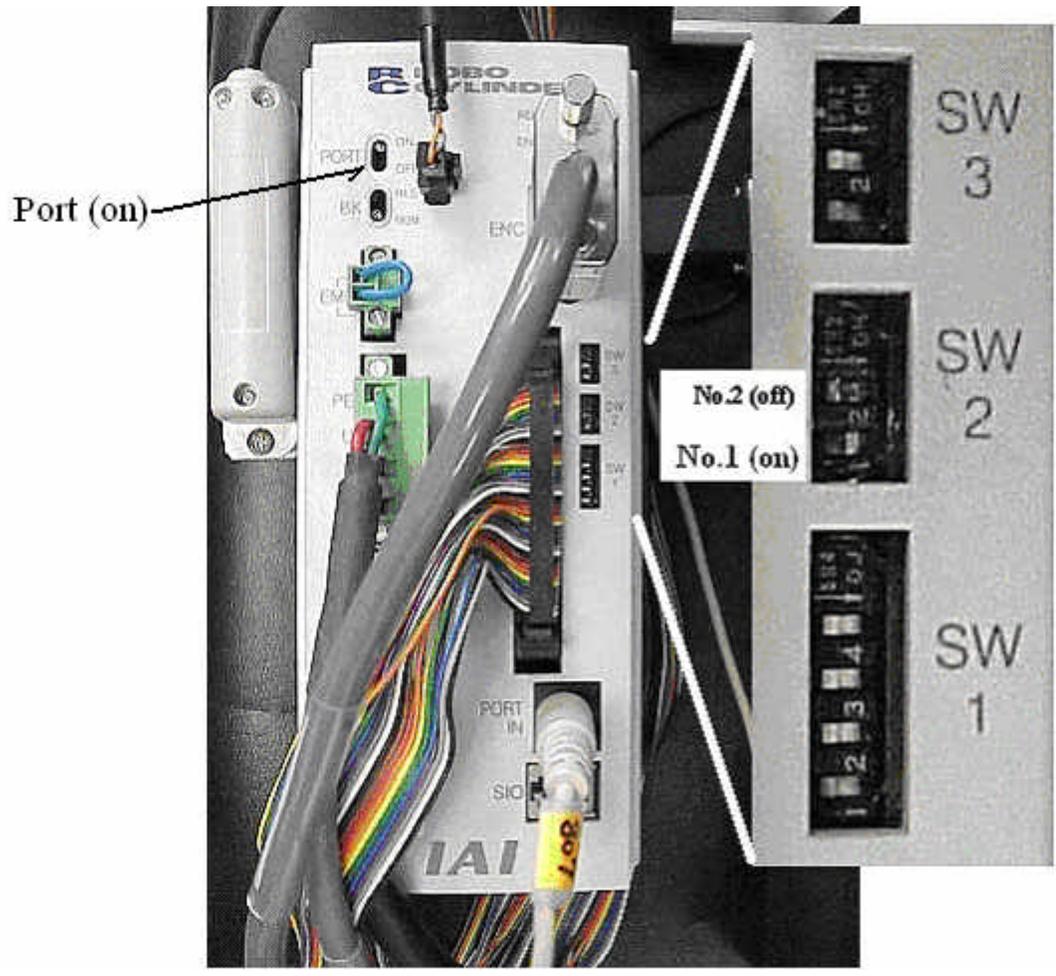
This is a procedure for absolute reset for initial set up, after battery replacement, or when encoder/battery cable has been disconnected from the controller.

1. Please connect Motor / Encoder cables, and also Brake cable if applicable. Please also make a connection to a computer with Robo Cylinder PC Interface software via the special cable (with the adapter) or Teaching Pendant – Port switch should be ON also.
2. Please wire to PLC or outside devices with I/O cable (turn on PIO-STOP Signal and Servo ON Input – or disable the inputs).
3. If you use more than two axes, please set the axis number by using Controller SW1 (SW1-4 for RCS-E).
4. **Please turn Controller SW2-No.1 (SW5 for RCS-E) Switch ON. (Flip to right side.) *Please see the attached pictures for RCS-C.**
5. **Please connect battery to Controller and then the main power.**
6. **Controller should be on with an alarm (Count or Encoder Reception Error).**
7. **Please reset the alarm and “home” Actuator with PC Interface Software or Teaching Pendant. *It can be homed with Serial Protocol also.**
8. **Please turn Controller SW2-No.1 (SW5 for RCS-E) back to OFF. (Flip to left side.)**^{Note 1}
Absolute reset procedure has been done. The HOME location will be set approximately 5mm from the Mechanical End.
9. If you start operation right after this procedure, turn ON PIO-STOP Signal and Servo ON Input (or disable them). Port switch may (or may not) need to be OFF.

Note 1: If SW2-No.1 remains ON (SW5 for RCS-E), the system will do absolute reset after next power on.

Note 2: Actuator needs to be absolute type. Standard RCS Actuator cannot be used for Absolute option.

Note 3: Please disconnect Battery when Encoder cable is disconnected.



Port (on)

No.2 (off)

No.1 (on)

SW 3

SW 2

SW 1

IAI