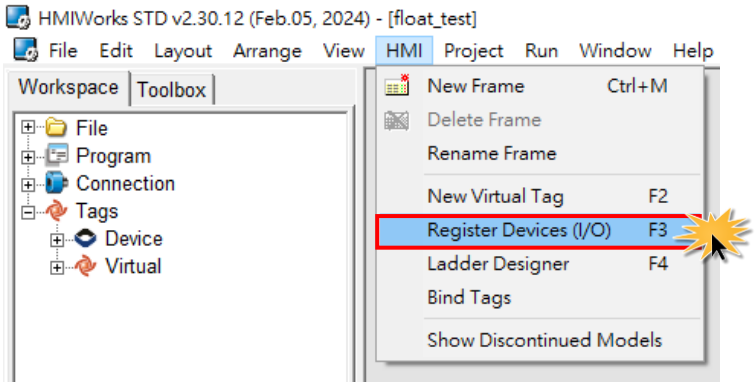
分類/Classification	☐ tDS ☐ tGW ☐ PETL/tET/tPET ☐ DS/PDS/PPDS ☐ tM-752N ☐ I/O Card ☐ VXC Card ☐ VxComm ☑ Other (TouchPAD)				
作者/Author	Jim	日期/Date	2024-05-17	編號/NO.	FAQ048

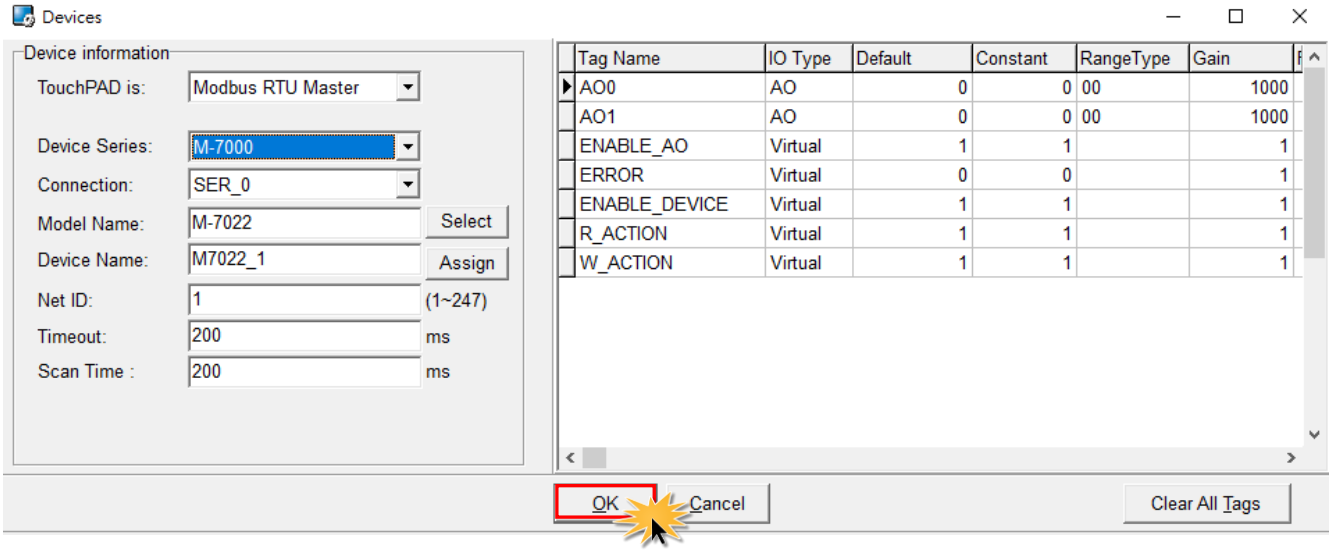
Q: How to detect device communication failure in Ladder Designer?

The device's ERROR tag indicates whether there is a communication error. You can associate the ERROR tag with a widget to display its status.

Step 1: Click the “Register Devices (I/O) (F3)” from the “HMI” menu to open the “Device” window.



Step 2: In the “**Device**” window, configure the device information and click the **“OK”** button to import tags. Here, the M-7022 module is used as an example.



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Step 3: After adding a new device, you can see the newly imported “M7022_1” device tag in the **“Workspace”.**

❶ Select an image in the 'Libraries' first.

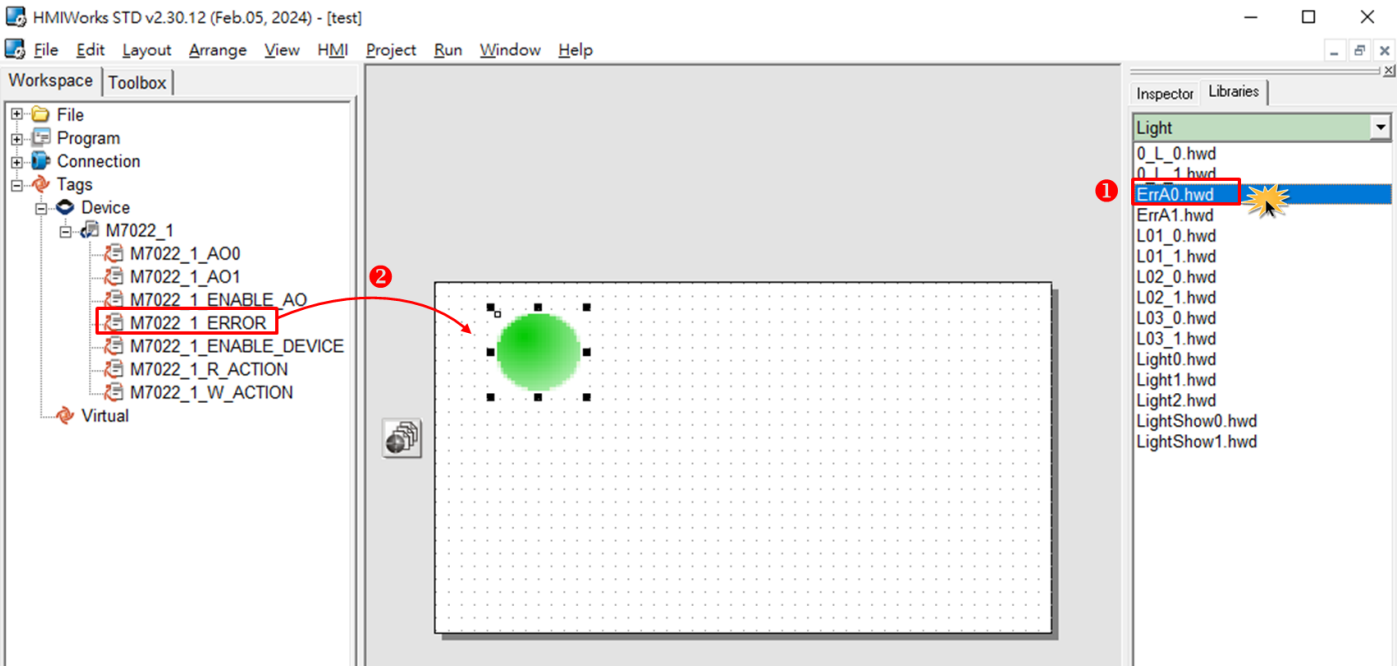
❷ Drag and drop the **“ERROR”** tag onto the design page area. This creates a widget that displays the communication status provided by the **“ERROR”** tag.

The ERROR tag has the following two states:

0 : Communication is normal.(used ErrA0.hwd green light image)。

1 : Communication failure. (used ErrA1.hwd red light image)。

When the program is running, users can easily determine the current communication status between the TPD and the device by the light indicators on the screen. Alternatively, they can capture the value of the Error tag to determine the communication status and automate processes accordingly. For example, displaying a warning page automatically when communication fails.



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