

Panasonic Eco-Power Meters

Supported Series: KW1M , KW1M-A , KW9M , KW9M-A

Website: <https://www.panasonic-electric-works.com/eu/>

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	Panasonic Eco-Power Meters		
PLC I/F	RS485 2W		
Baud rate	9600	9600 ~ 115200	
Data bits	8		
Parity	Odd		
Stop bits	1		
PLC sta. no.	1		

Support Device Type:

Data type	EasyBuilder data format	Memo
Bool	bit	
Byte	16-bit BCD, Hex, Binary, Unsigned	8-bit
SInt	16-bit BCD, Hex, Binary, Signed	8-bit
USInt	16-bit BCD, Hex, Binary, Unsigned	8-bit
Word	16-bit BCD, Hex, Binary, Unsigned	16-bit
Int	16-bit BCD, Hex, Binary, Signed	16-bit
UInt	16-bit BCD, Hex, Binary, Unsigned	16-bit
DWord	32-bit BCD, Hex, Binary, Unsigned	32-bit
DInt	32-bit BCD, Hex, Binary, Signed	32-bit
Real	32-bit Float	32-bit
UDInt	32-bit BCD, Hex, Binary, Unsigned	32-bit

Import Tags:

- The file for import must be built in **Easy Build Pro\Data Type\PanasonicPowerMeter** folder. The user can build the file according to the device types in advance, as shown below.

★ **Name** : User-defined tag name.

★ **Data** :Type: Define according to the data length and range.

★ **Address** : The address of the device.

★ **Description** : The description about the address.

Data type	Data length and range
BOOL	Bit
BYTE	8-bits Unsigned
WORD	16-bits Unsigned
DWORD	32-bits Unsigned
UDINT	32-bits Unsigned
UINT	16-bits Unsigned
USINT	8-bits Unsigned
SINT	8-bits Signed
INT	16-bits Signed
DINT	32-bits Signed
REAL	32-bits Float

- In EasyBuilder select **[Panasonic Eco-Power Meters]** driver, and then click **[Station No. and Device Model]**.

The screenshot shows the 'Panasonic Eco-Power Meters' configuration window. At the top, the 'Name' field is set to 'Panasonic Eco-Power Meters'. Below it, the 'HMI' radio button is selected. The 'Location' is set to 'Local'. A note states: '* Select Local for a PLC connected to this HMI, or Remote for a PLC connected through another HMI.' The 'PLC type' is set to 'Panasonic Eco-Power Meters', and the version is 'V.1.00, PANASONIC_ECO_POWER_METERS_TAG.e30'. The 'PLC I/F' is set to 'RS-485 2W'. A note states: '* Support off-line simulation on HMI (use LB-12358)'. The 'COM' is set to 'COM1 (9600,0,8,1)'. The 'Station No. and Device Model...' button is highlighted with a red rectangle. At the bottom, there is a checkbox for 'Use broadcast command' and 'OK' and 'Cancel' buttons.

3. **[Station no.]**: Set the station number according to the device, the range is 1~99.

[Name]: The name of the device.

[Model]: The models with their address tag files saved in **Easy Build Pro\Data Type\PanasonicPowerMeter** can be found in the drop down list.

[Add]: Add a new model.

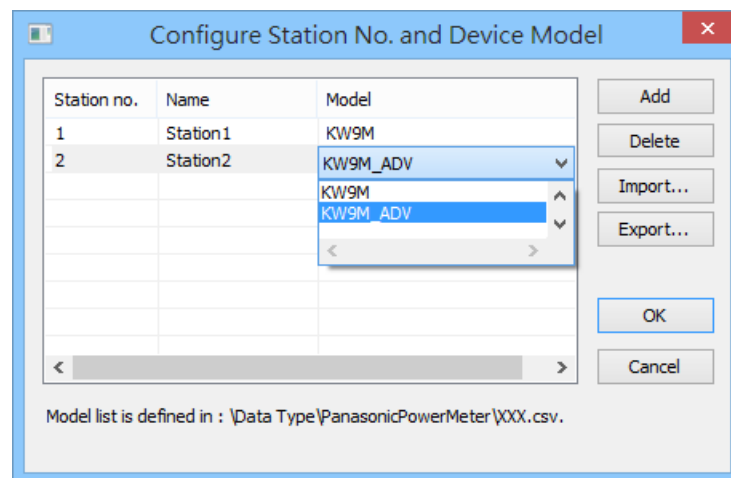
[Delete]: Delete a model. (At least one model should exist in the list.)

[Import]: Import the .dat file of the model.

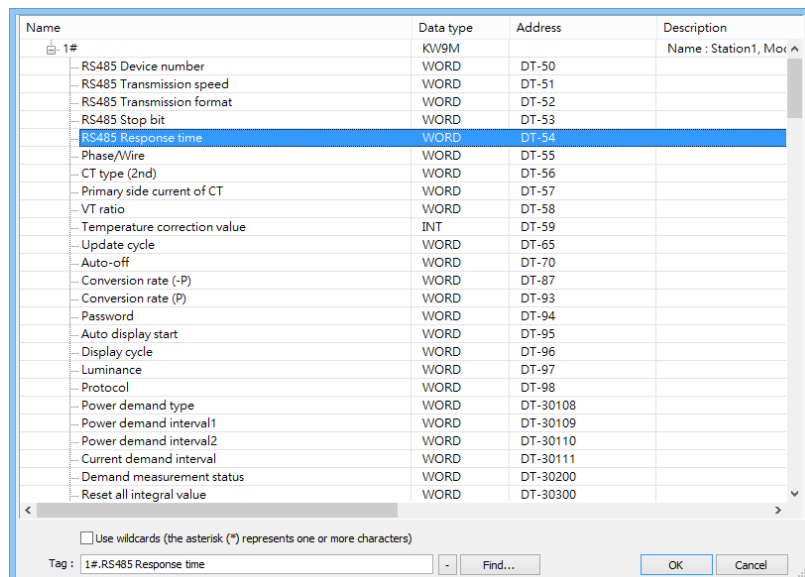
[Export]: Export the .dat file of the model.

[OK]: Save and leave.

[Cancel]: Don't save and leave.



4. The imported address tags can be selected in object settings window.



Wiring Diagram:

Diagram 1

RS-485 2W

The serial port pin assignments may vary between HMI models, please click the following link for more information.

