Using Kinco HMIs
with
MAC motor® & QuickStep® (MIS171..432)
and SMC75 & SMC85

Installation of HMI Software

1) First install the HMI software, Kinco HMIware, i.e. run "Setup.exe".

2) Copy the three files - "MAC Motor.dll", "MAC Motor.so" and "MAC Motor.ge" - into your HMIware installation directory \lib\plc
(e.g. c:\Program Files\Kinco HMIware_ENU\lib\plc\)

In Windows 7 the USB driver should install automatically.
In Windows XP you might need to perform this extra step:

3) Install the USB Driver as described in the document
"USB-Driver-Installation_EV5000-UserManual_p70-76.pdf"

PLC Type

In the Constuct window (Project structure) choose the relevant HMI type and
"MAC Motor" as PLC type, since the protocol are the same for MAC motor + QuickStep + SMC75 + SMC85.

Connect them by using Connector = Serial Port.

Register Types

When you use a motor register on the screens always be sure to choose Addr. Type as either W_Reg or DW_Reg.
If it's a **16 bit** motor register use **W_Reg**.
If it's a **32 bit** motor register use **DW_Reg**.

Examples are shown on the following page(s)…

Example of 16 bit Number input (Set Speed):

Number Input Component Attribute ✕

| Graphics | Control Setting | Display Setting |
| Basic Attributes | Numeric Data | Font | Keyboard Setting |

Priority   Normal ▾

☑ Read Address Same As Write Address

Read Address

HMI   [HMI1 ▾]   PLC No. 0 ▾

Port   COM0

☐ Change Station Num   255 ▾

Addr. Type   W_Reg ▾

Address   5   ☐ System Register

Code Type   BIN ▾   Word Length   1 ▾

Format(Range):DDDD (0--9999)

☐ Use Address Tag

☐ Use the index register

Write Address

HMI   HMI1 ▾   PLC No. 0 ▾

Port   COM0

☐ Change Station Num   255 ▾

Addr. Type   W_Reg ▾

Address   5   ☐ System Register

Code Type   BIN ▾   Word Length   1 ▾

Format(Range):DDDD (0--9999)

☐ Use Address Tag

☐ Use the index register

Description   NI0

[OK]   [Cancel]

Example of 32 bit Number display (Actual Position):

Number Display Component Attribute ✕

Basic Attributes | Numeric Data | Font | Graphics | Display Setting

Priority   Normal ▾

Read Address

HMI   [HMI1 ▾]   PLC No. 0 ▾

Port   COM0

☐ Change Station Num   255 ▾

Addr. Type   DW_Reg ▾

Address   10   ☐ System Register

Code Type   BIN ▾   Word Length   2 ▾

Format(Range):DDDD (0--9999)

☐ Use Address Tag

☐ Use the index register

Write Address

HMI   HMI1 ▾   PLC No. 0 ▾

Port   COM0

☐ Change Station Num   255 ▾

Addr. Type   LW ▾

Address   0   ☐ System Register

Code Type   BIN ▾   Word Length   1 ▾

☐ Use Address Tag

☐ Use the index register

Description   ND0

[OK]   [Cancel]