

21/11/16

CROUZET TOUCH & MILLENIUM3 SLIN / SLOUT ADDRESSING CROUZET TOUCH TUTORIAL



SUMMARY

- Terminology
- The SLIn / SLOut Functions
- The SLIn / SLOut to Crouzet Touch addresses
- Word addressing example
- Bit addressing example

TERMINOLOGY

- M3 → Millenium 3
- Crouzet Touch → Touchscreen of the Crouzet Automation nano-PLC range
- CTS = Crouzet Touch Soft → Programming software of the Crouzet Touch range
- SL_IN → Word address in CTS related to an SLIn function block
- SL_INS → Word address in CTS related to an SLIn S function block
- SL_OUT → Word address in CTS related to an SLOut function block
- SLI_Bit → Bit address in CTS related to an SLIn function block
- SLO_Bit → Bit address in CTS related to an SLOut function block

THE SLIN, SLINS & SLOUT FUNCTIONS

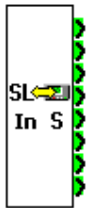
- SLIn = Serial Link In →



Function block that allows M3 to read 8 words by using the M3 programming port.

3 blocks with 8 words each can be used (addresses 1-8, 9-16, 17-24)

- SLIn S →



Same as SLIn, but saves values at power failure.

We recommend to use this function in connection with the Crouzet Touch screens.

(DO NOT MIX SLIn S and SLIn in a program)

- SLOut = Serial Link Out →



Function block that allows M3 to write 8 words by using the M3 programming port.

3 blocks with 8 words each can be used (addresses 25-32, 33-40, 41-48)

SLIN / SLOUT TO CROUZET TOUCH ADDRESSES

SLIn/SLOut \Leftrightarrow Crouzet Touch Addresses

Words are used for the word and bit data exchange between the Crouzet Touch screens and M3



Word address range:

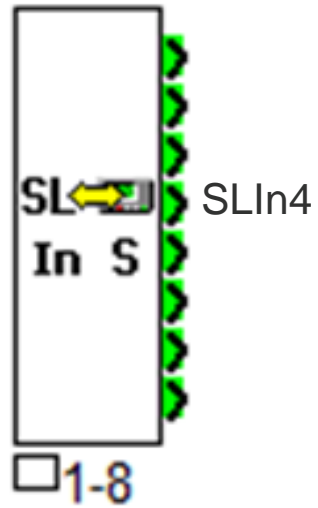
Millenium 3: SLIn 1 – 24 \Rightarrow CTS: SL_IN 1 - 24

Millenium 3: SLOut 25 – 48 \Rightarrow CTS: SL_OUT 25 - 48

WORD ADDRESSING EXAMPLE

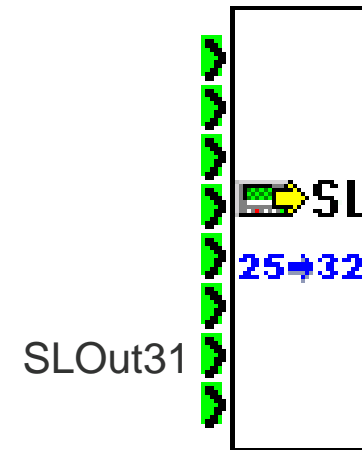
Word Addressing Example

M3: SLIn4 ⇒ CTS: SL_IN4



PLC :	Crouzet M3 FBD SLIN/SLOUT
Device type :	SL_IN
Address :	4
Address format :	DD [range : 1 ~ 24]

M3: SLOut31 ⇒ CTS: SL_OUT31

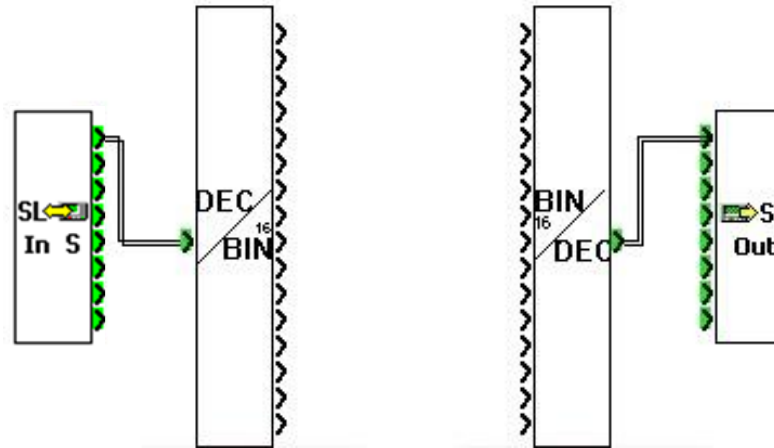


PLC :	Crouzet M3 FBD SLIN/SLOUT
Device type :	SL_OUT
Address :	31
Address format :	DD [range : 25 ~ 48]

BIT ADDRESSING EXAMPLE

SLIn/SLOut Bit Addressing

Addressing bits in M3 is done with these function blocks:



How to address a bit in CTS:

The bit addresses (SLO_Bit or SLI_Bit) are described like this: N°word + N°bit in Hexadecimal (0 to f)

Example: To work with bit 15 on SLOut12, it will be noted as SLO_Bit 12e.

The address area ranges from 1 to 48 and is defined as follows:

Bit SLIn 1.1 – 24.16 of M3

⇒ SLI_Bit 10 to 24f in the CTS

Bit SLOut 25.1 – 48.16 of M3

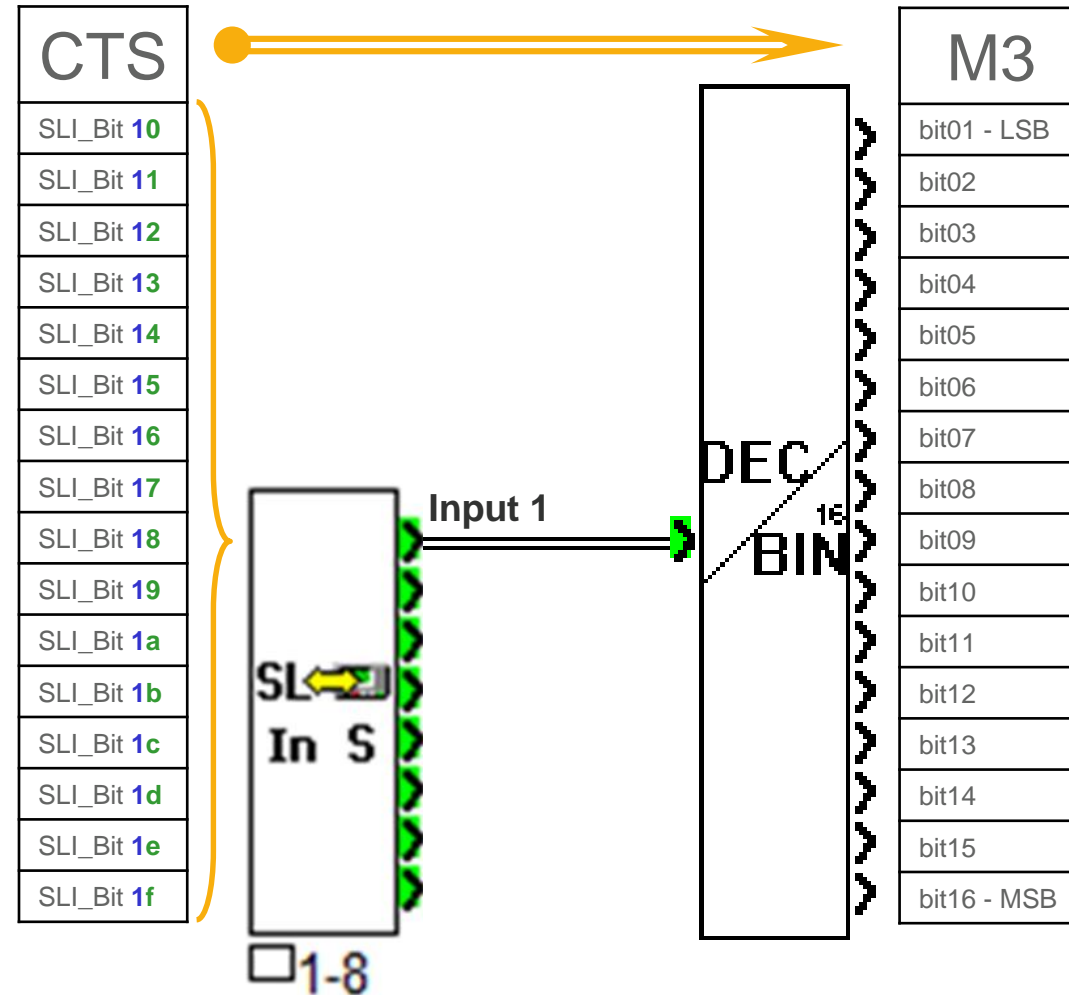
⇒ SLO_Bit 250 to 48f in the CTS

PLC :	Crouzet M3 FBD SLIN/SLOUT
Address :	SLI_Bit 10

PLC :	Crouzet M3 FBD SLIN/SLOUT
Address :	SLO_Bit 250

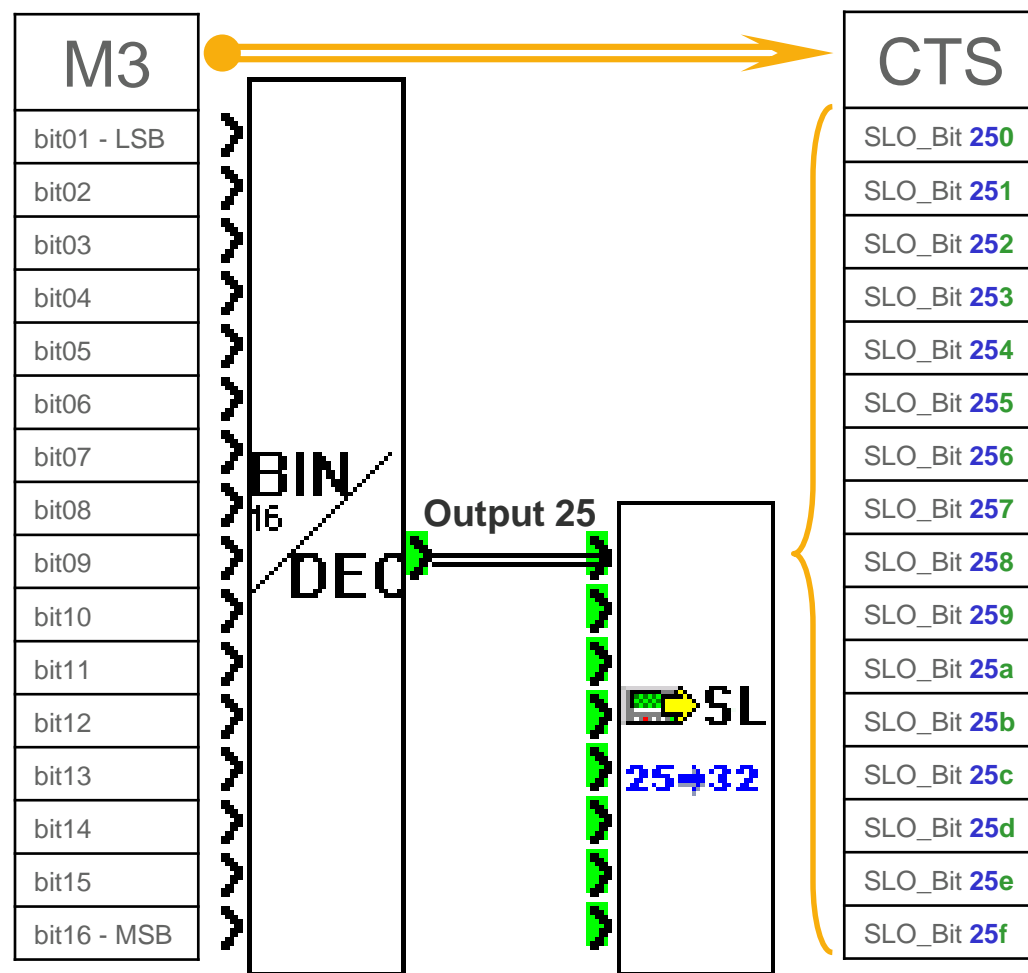
SLIn Bit Address Range

Addressing a bit – SLI_Bit



SLOut Bit Address Range

Addressing a bit – SLO_Bit



THANK YOU FOR YOUR ATTENTION

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