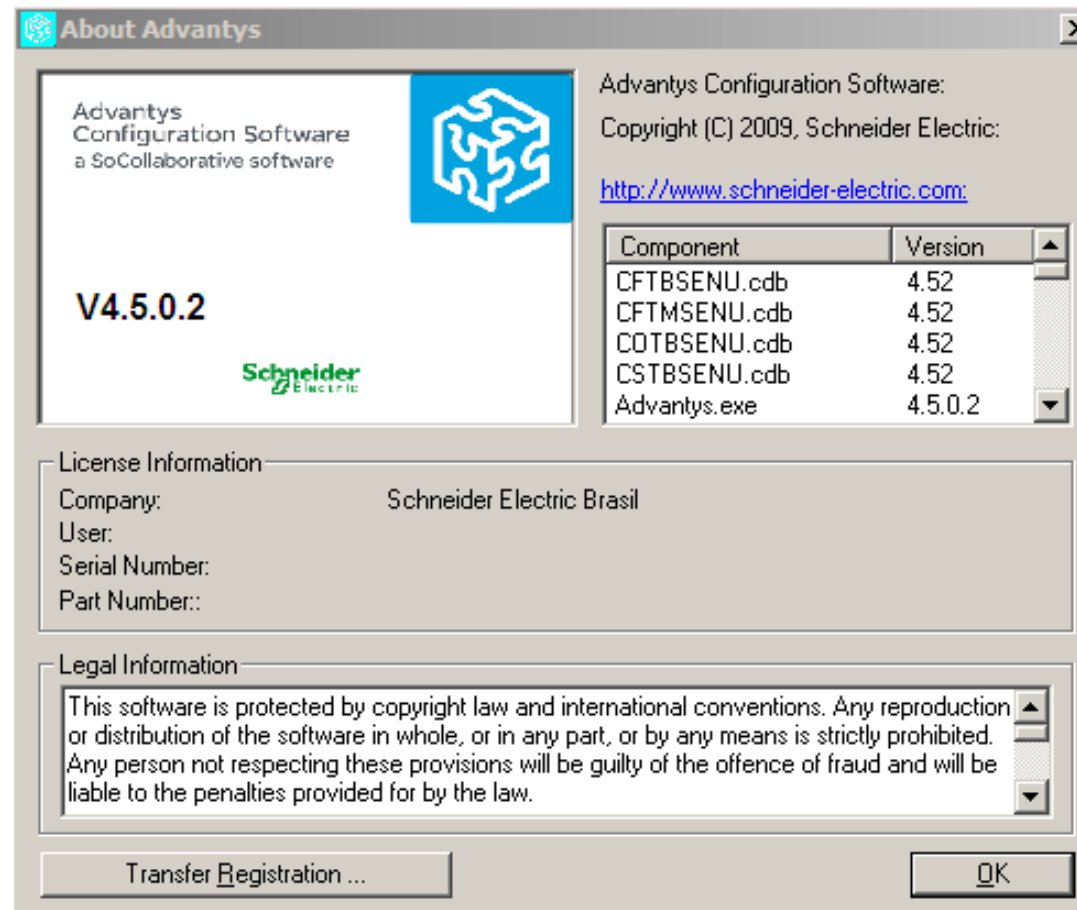


Configuração CANopen M340 e OTB1C0DM9LP



Software Utilizados

- Advantys
V4.5.0.2



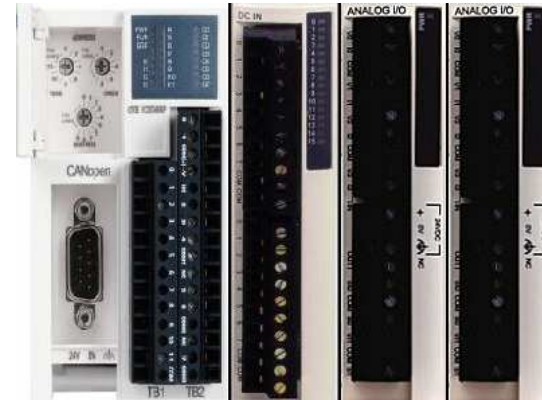
Software Utilizados

- Unity Pro XL V4.1



Hardware Utilizados - OTB

- OTB1C0DM9LP - V2.20
« Módulo OTB CANopen »
- TM2DDI16DT - PV:01
« Módulo de Entradas Digitais »
(16 Input: 24VDC, 7mA/PT)
- TM2AMM6HT - PV:03 - SV:2.3
« Módulo de Expansão Analógica »
(4 Input: 0-10V / 4-20mA – 2 Outputs: 0-10V / 4-20mA)
- TWDAMM6HT - PV:02 - SV:01.20
« Módulo de Expansão Analógica »
(4 Input: 0-10V / 4-20mA – 2 Outputs: 0-10V / 4-20mA)



Hardware Utilizados - M340

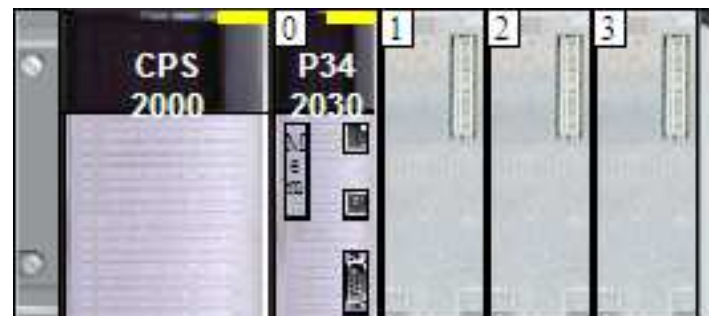
- BMXXBP0400

« Rack 4 Slots BackPlane »

- BMXCPS2000 - PV:01

« Fonte de Alimentação »

(AC: In 100/240V – DC Out: 24V / 0.9A)

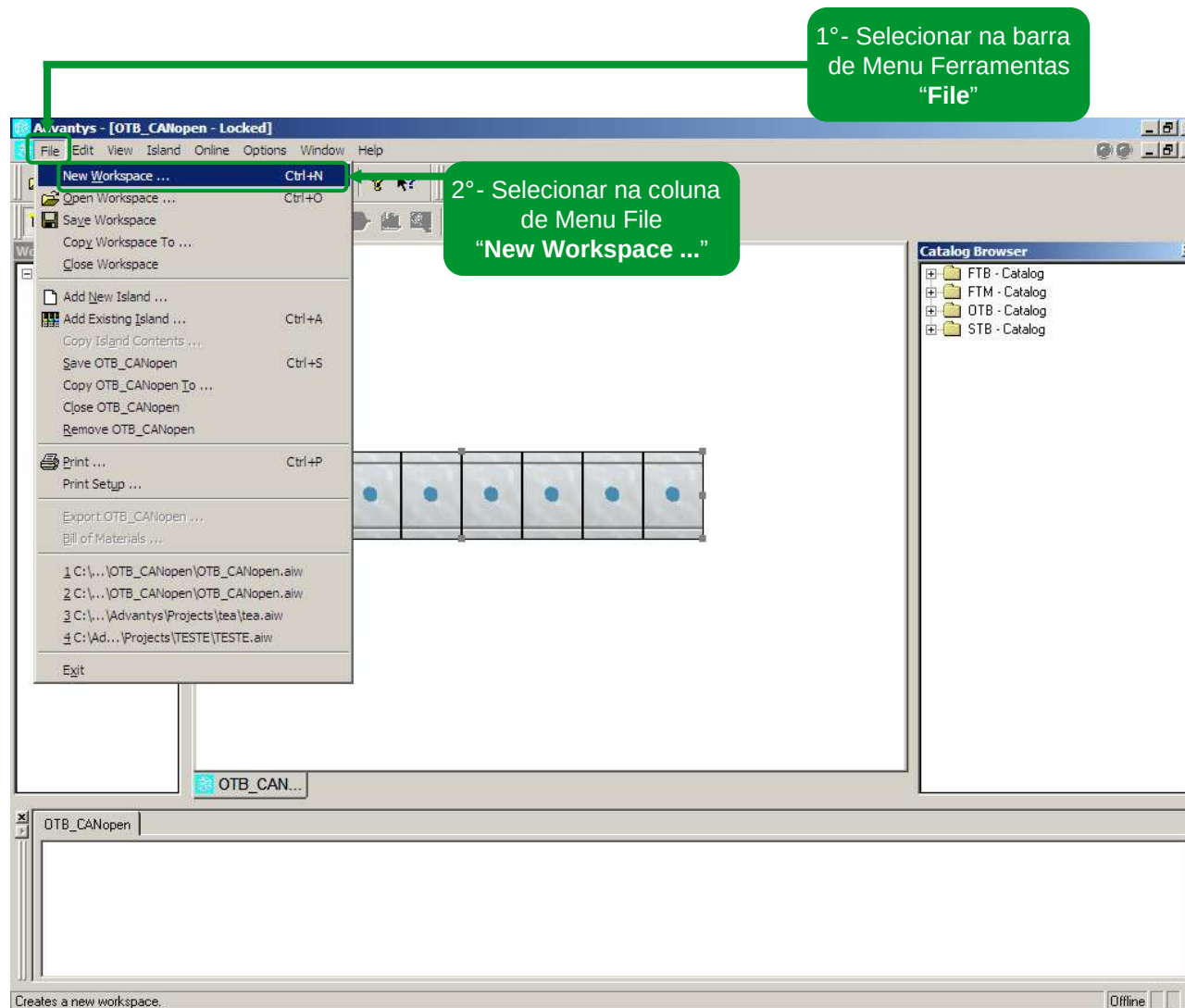


- BMXP342030 - PV:06 - SV:2.0

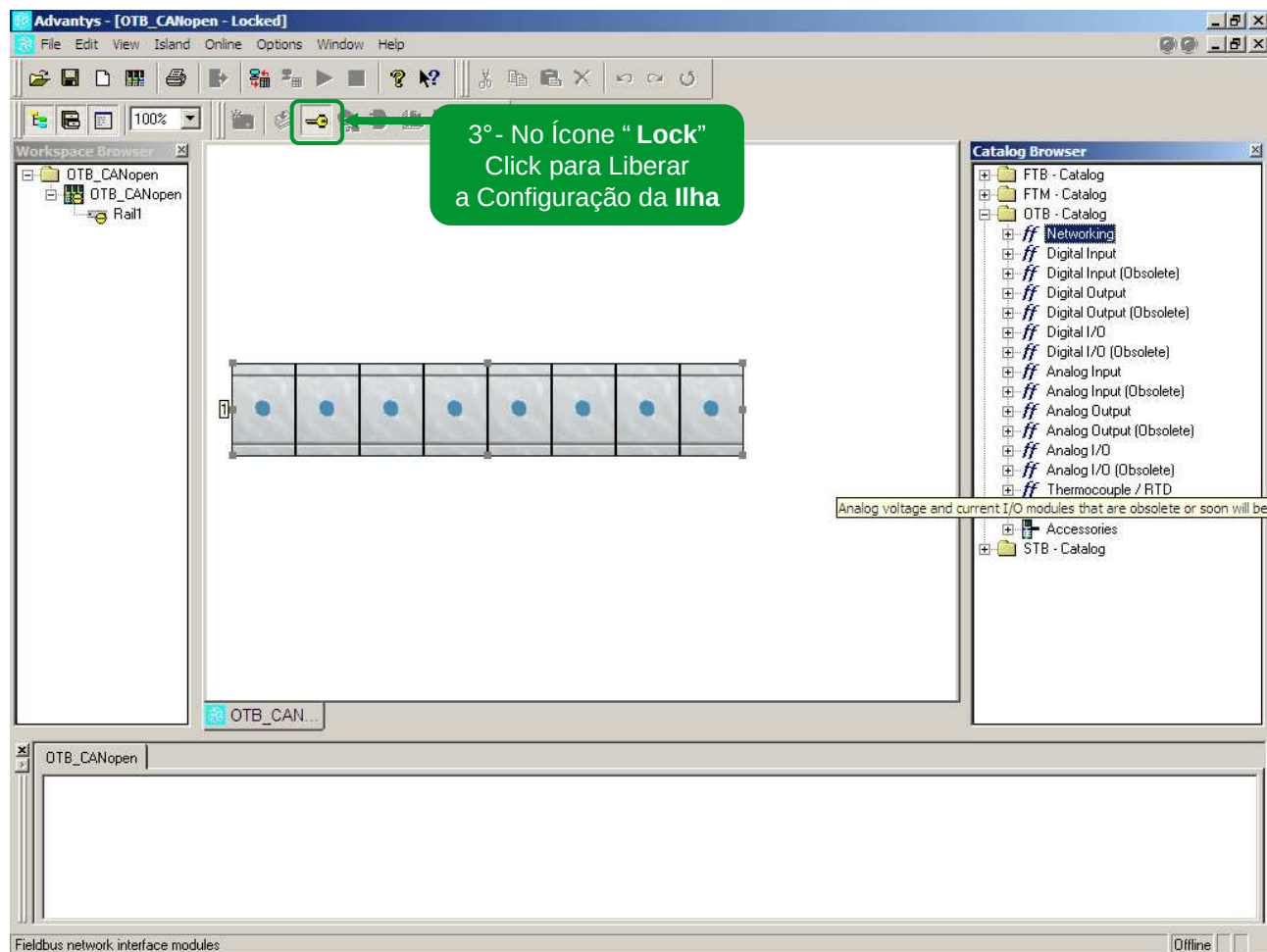
« CPU 342030 – Ethernet CANopen »

(4 Input: 0-10V / 4-20mA – 2 Outputs: 0-10V / 4-20mA)

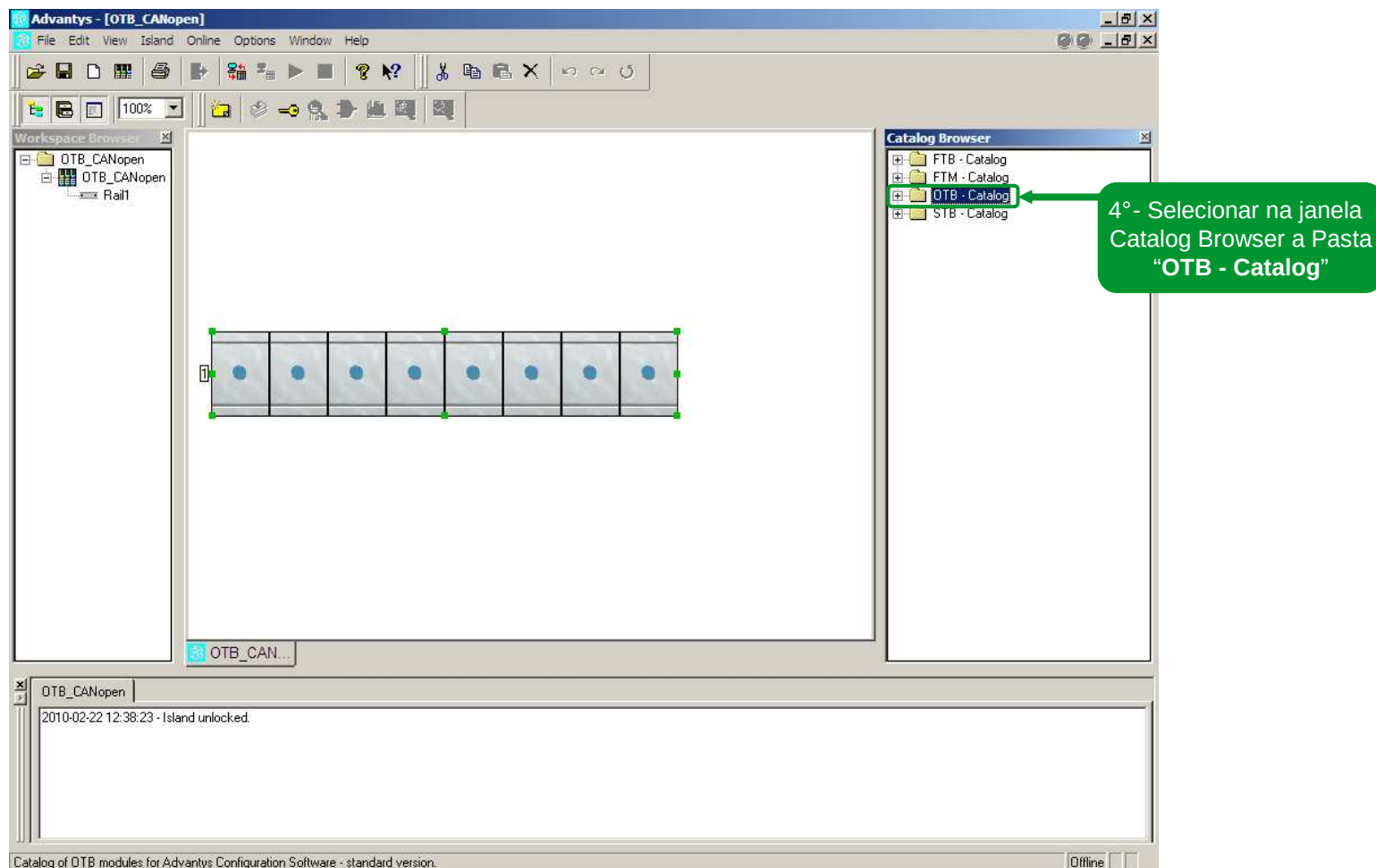
Configuração Advantys - OTB



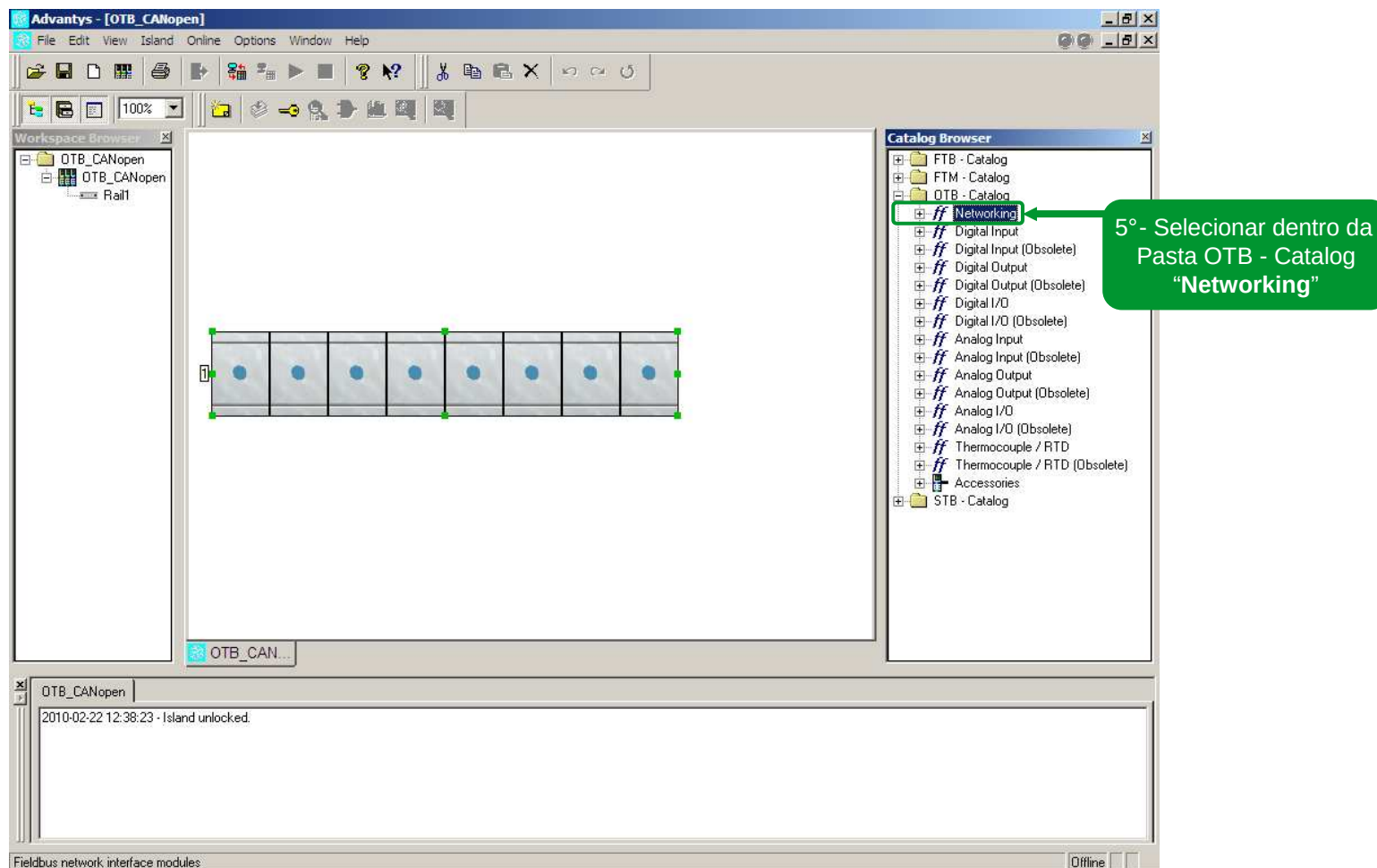
Configuração Advantys - OTB



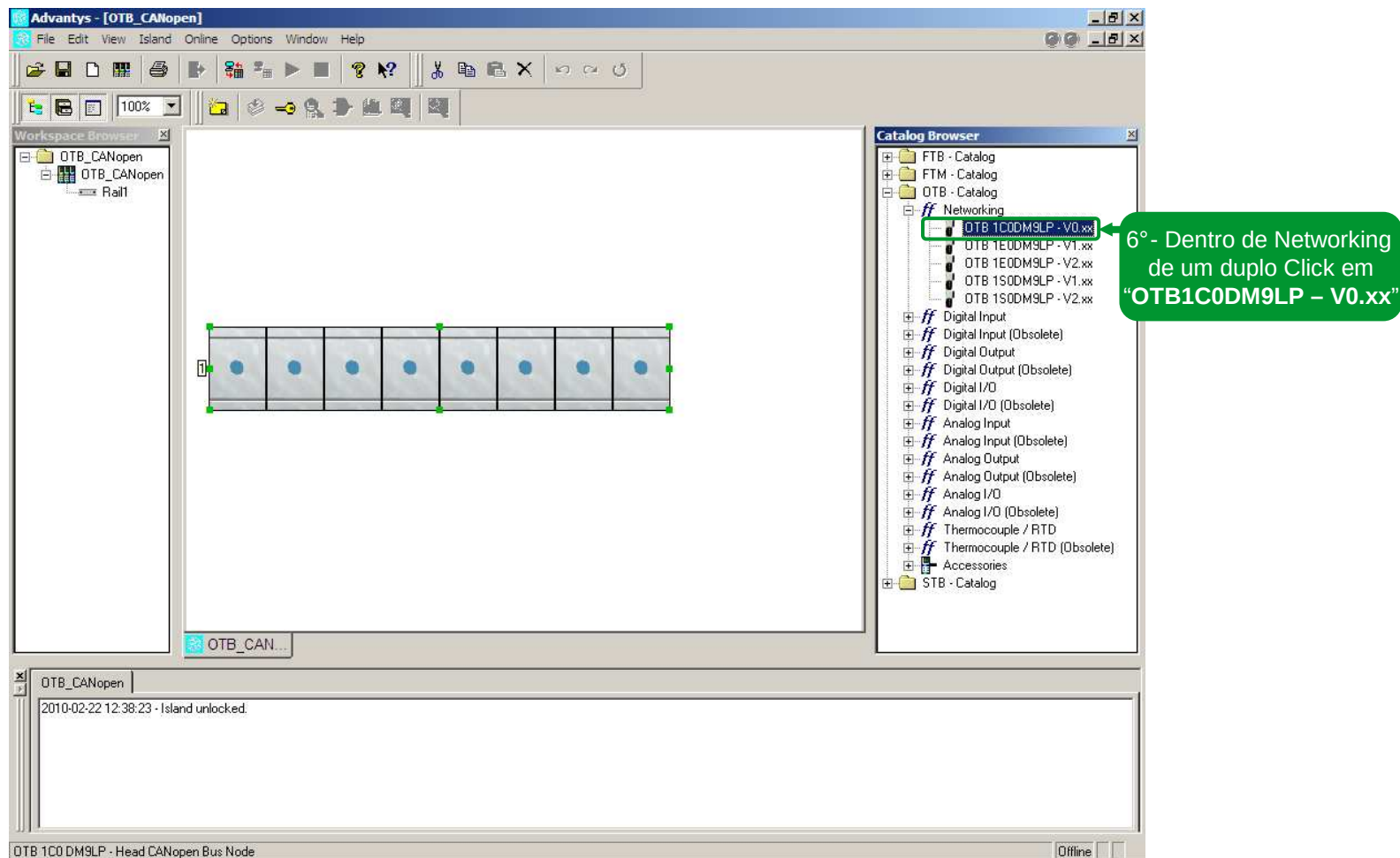
Configuração Advantys - OTB



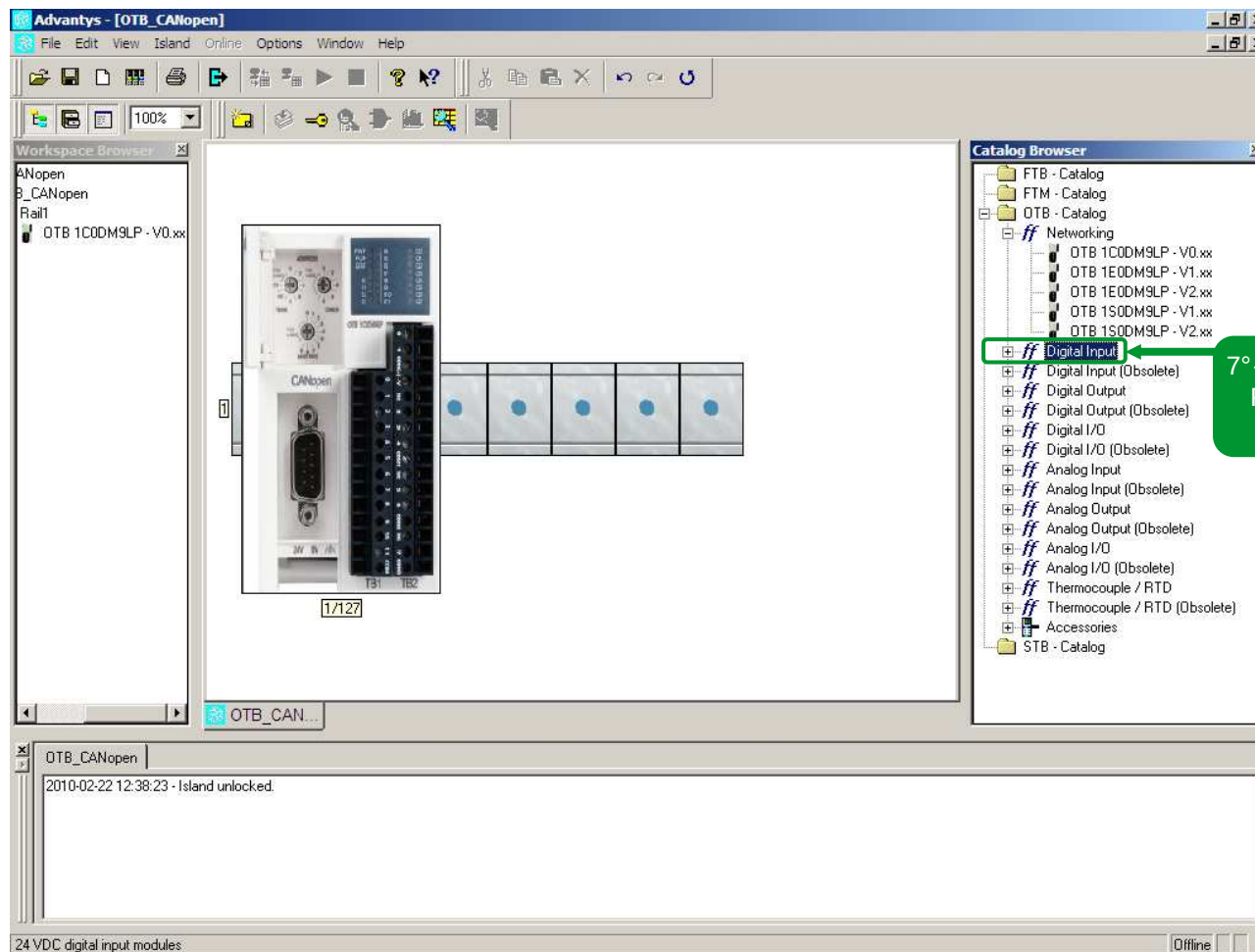
Configuração Advantys - OTB



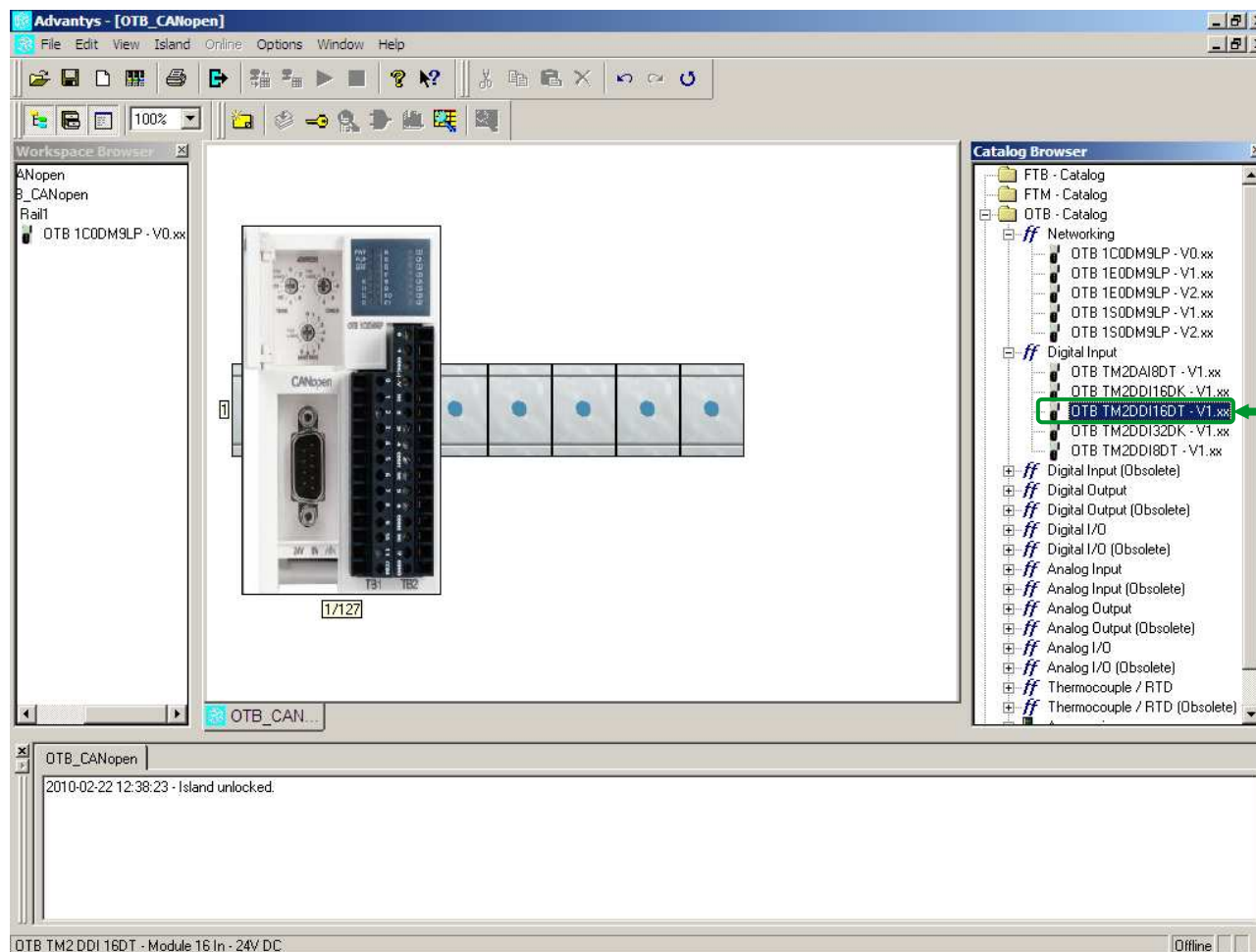
Configuração Advantys - OTB



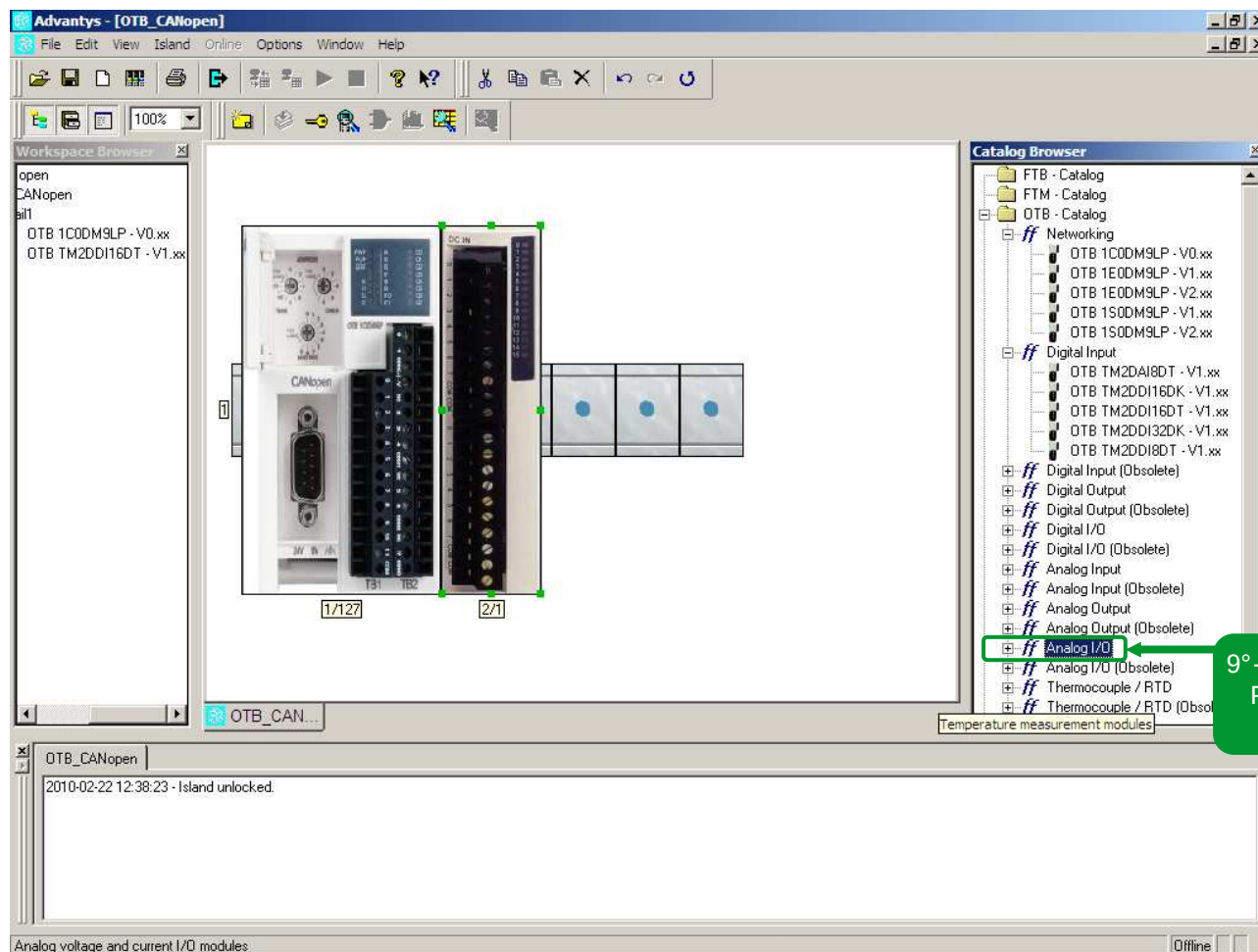
Configuração Advantys - OTB



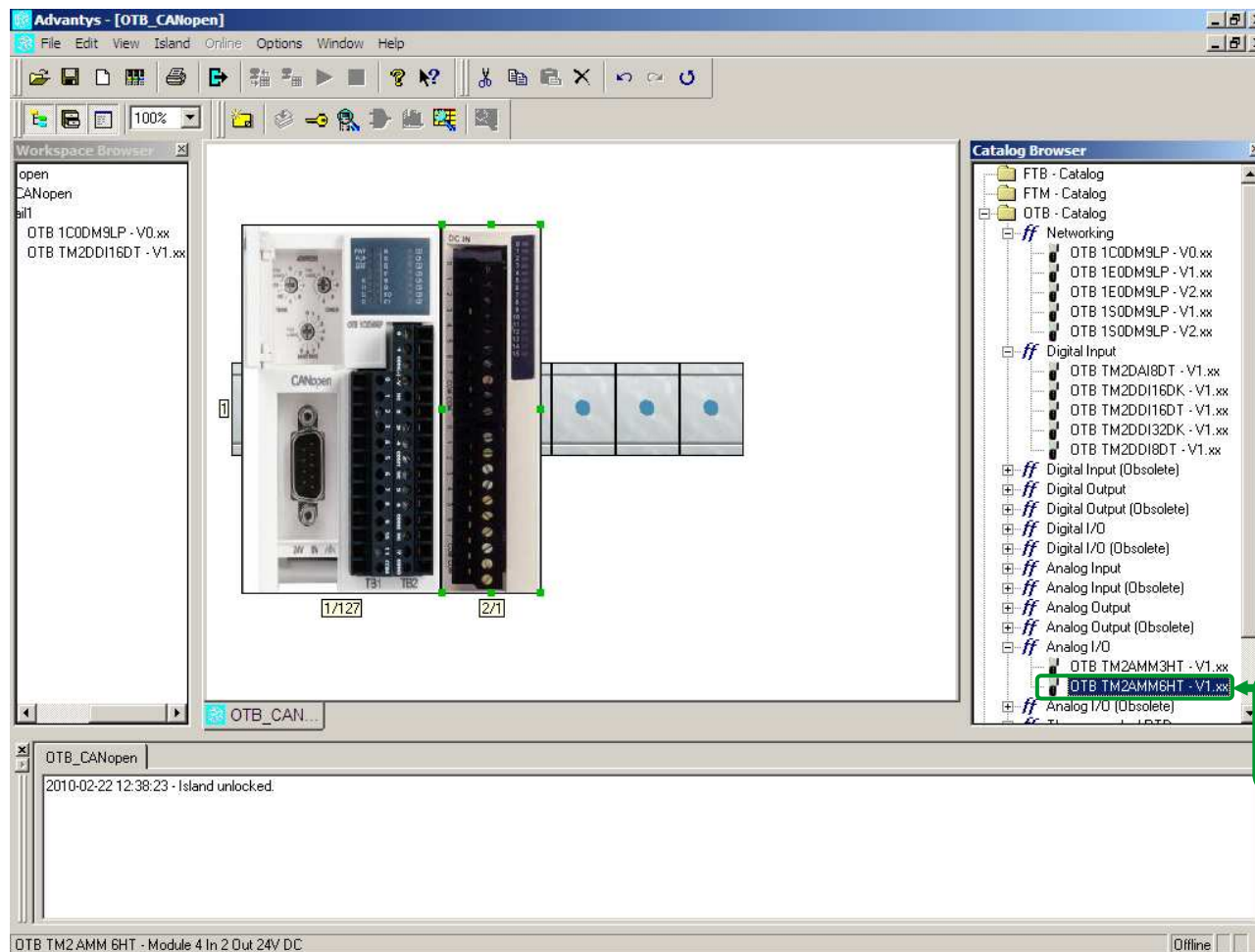
Configuração Advantys - OTB



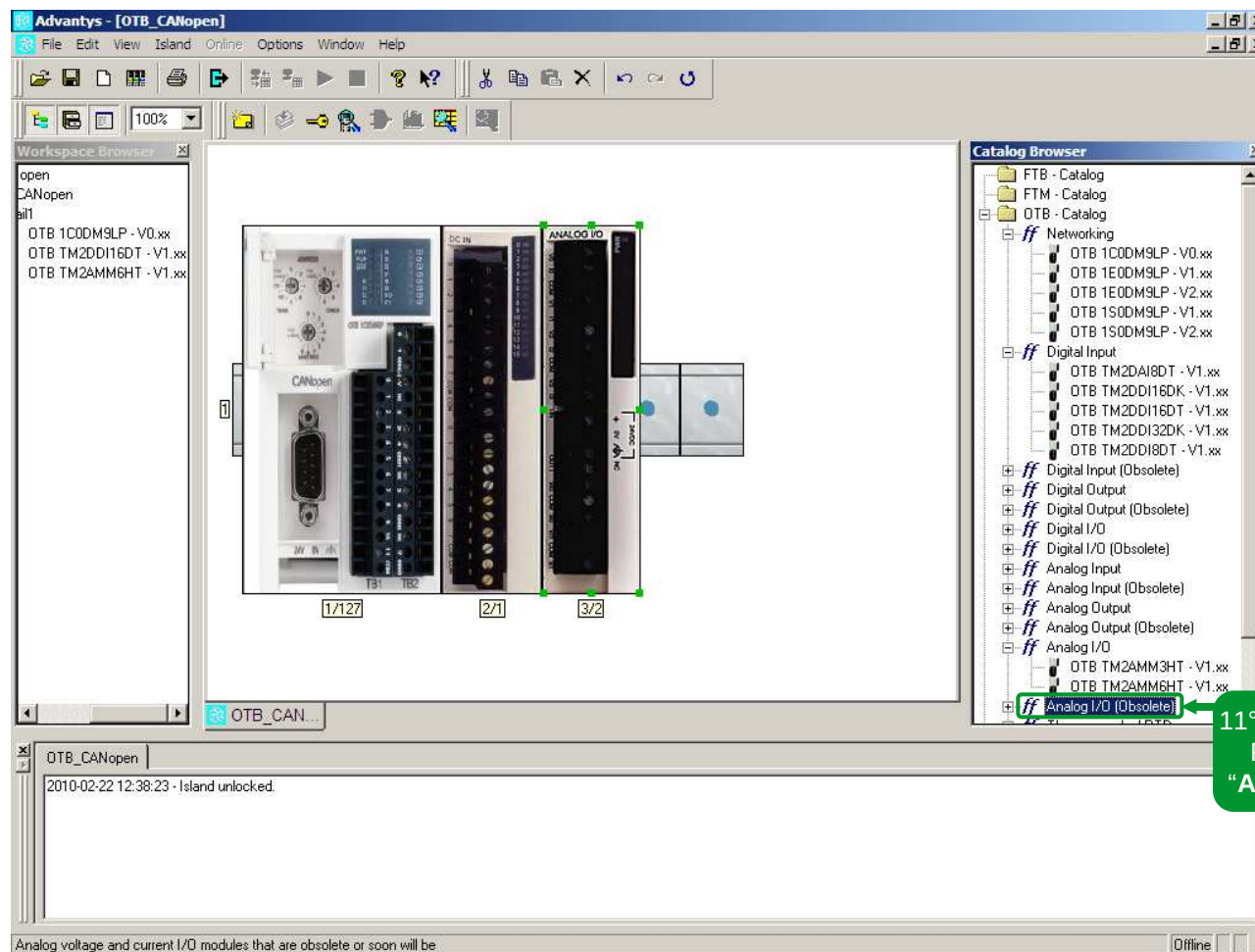
Configuração Advantys - OTB



Configuração Advantys - OTB

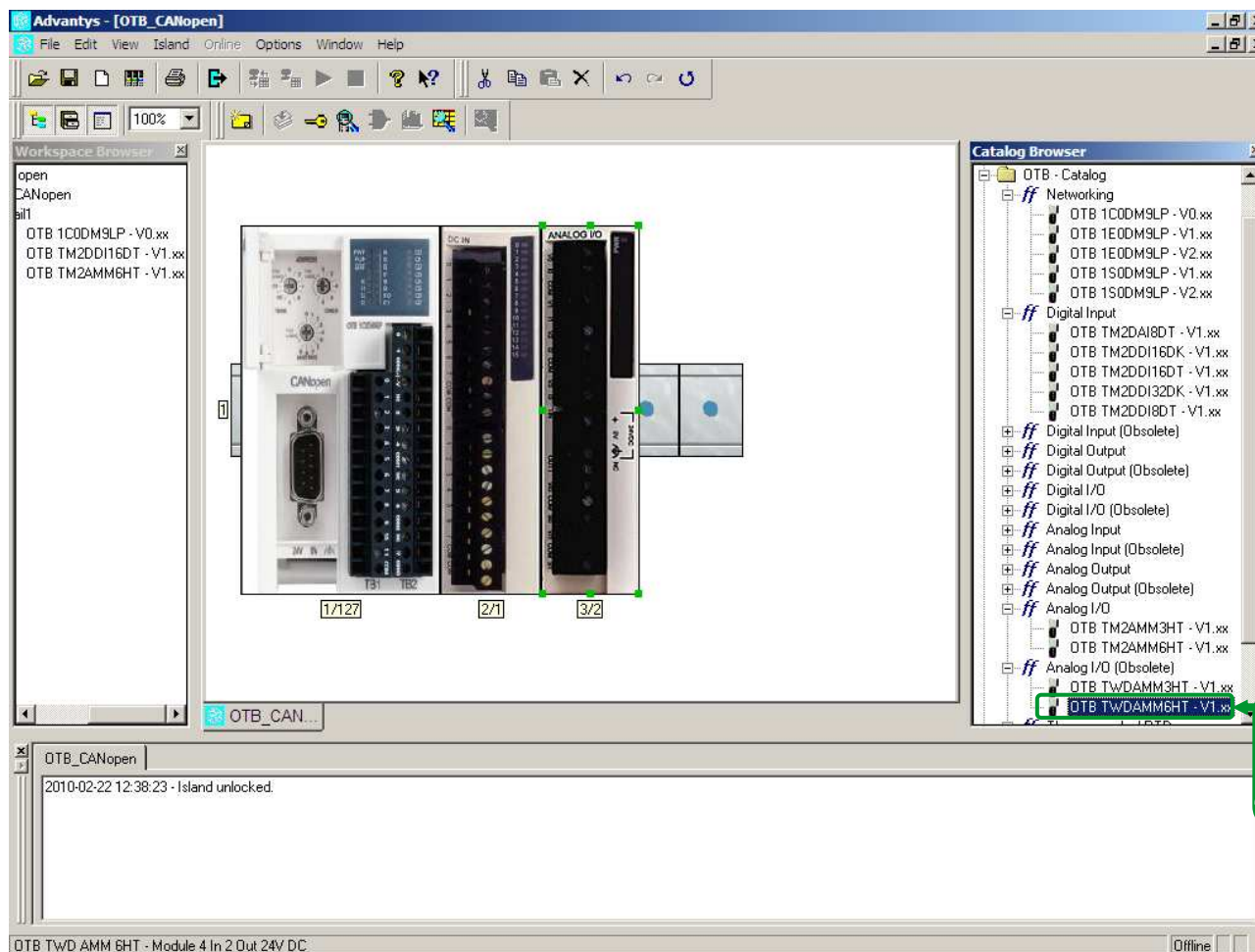


Configuração Advantys - OTB

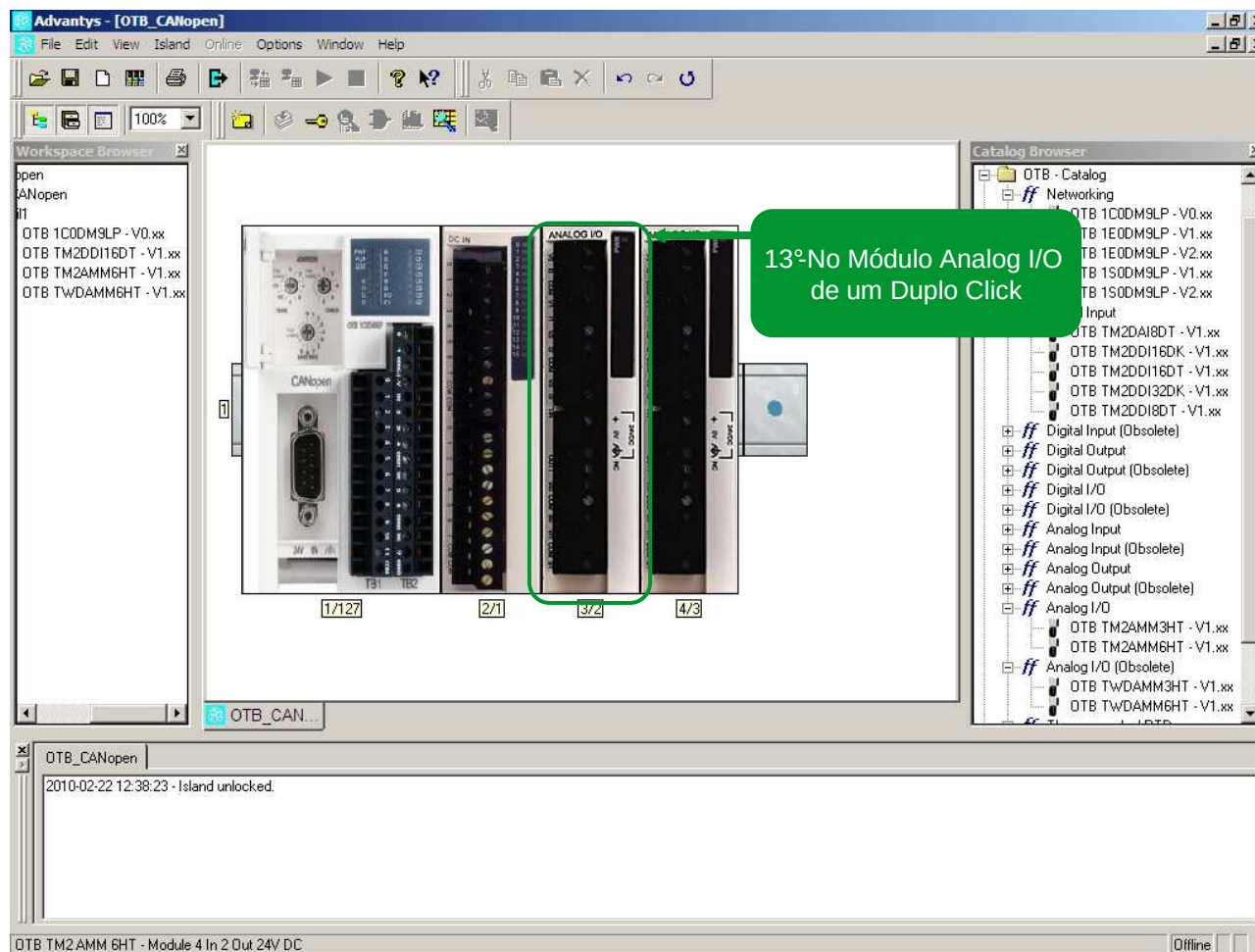


11° - Selecionar dentro da Pasta OTB - Catalog "Analog I/O (Obsolete)"

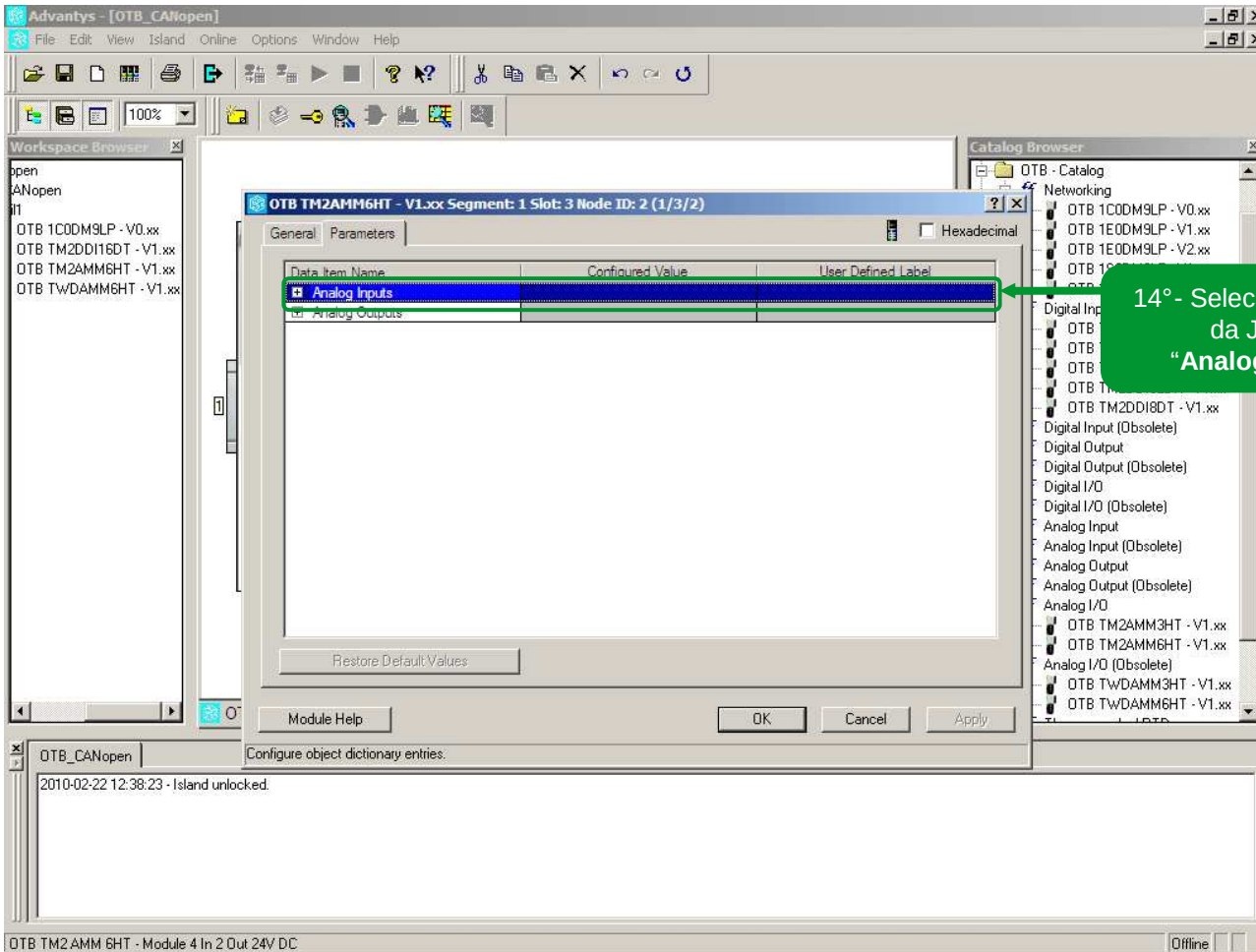
Configuração Advantys - OTB



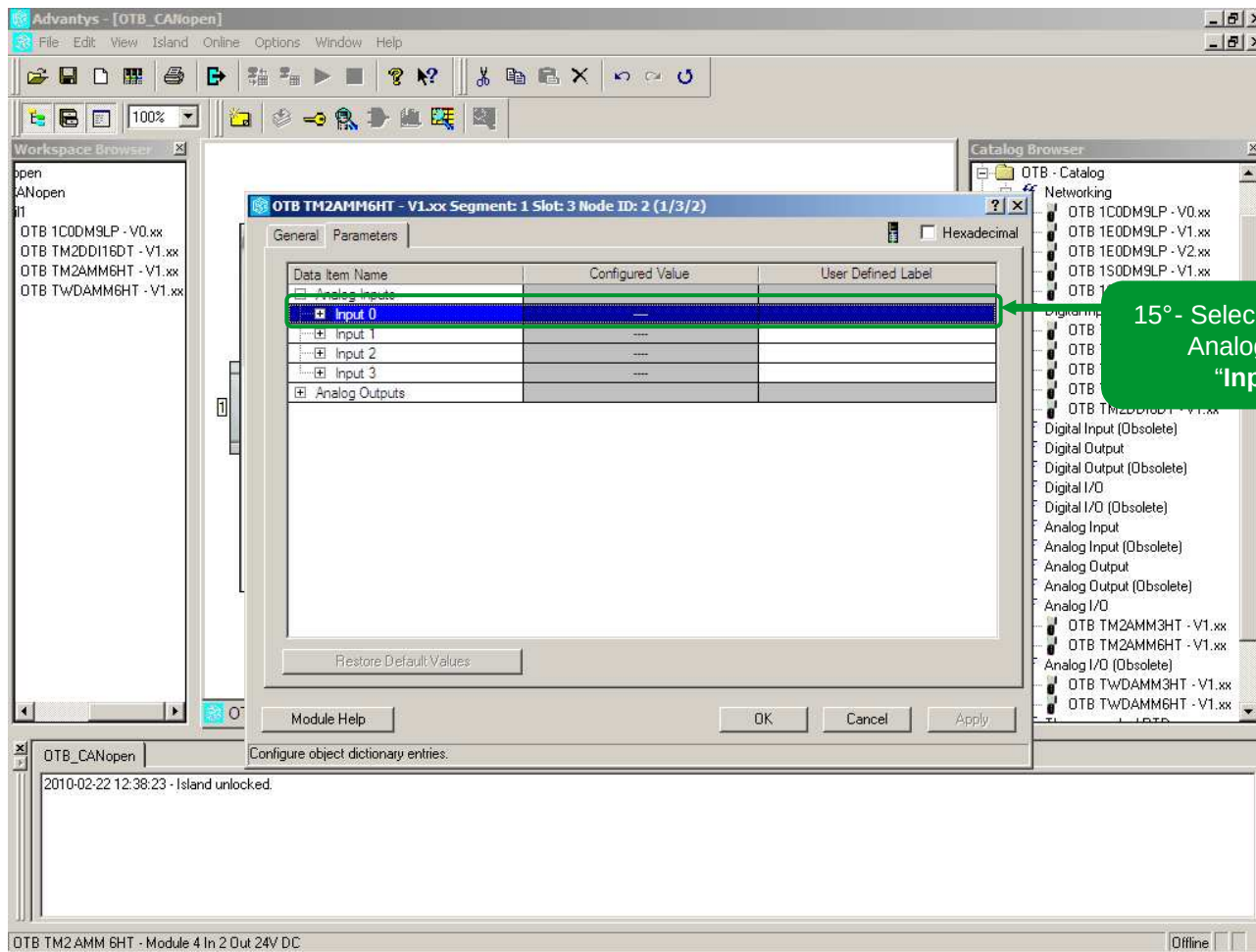
Configuração Advantys - OTB



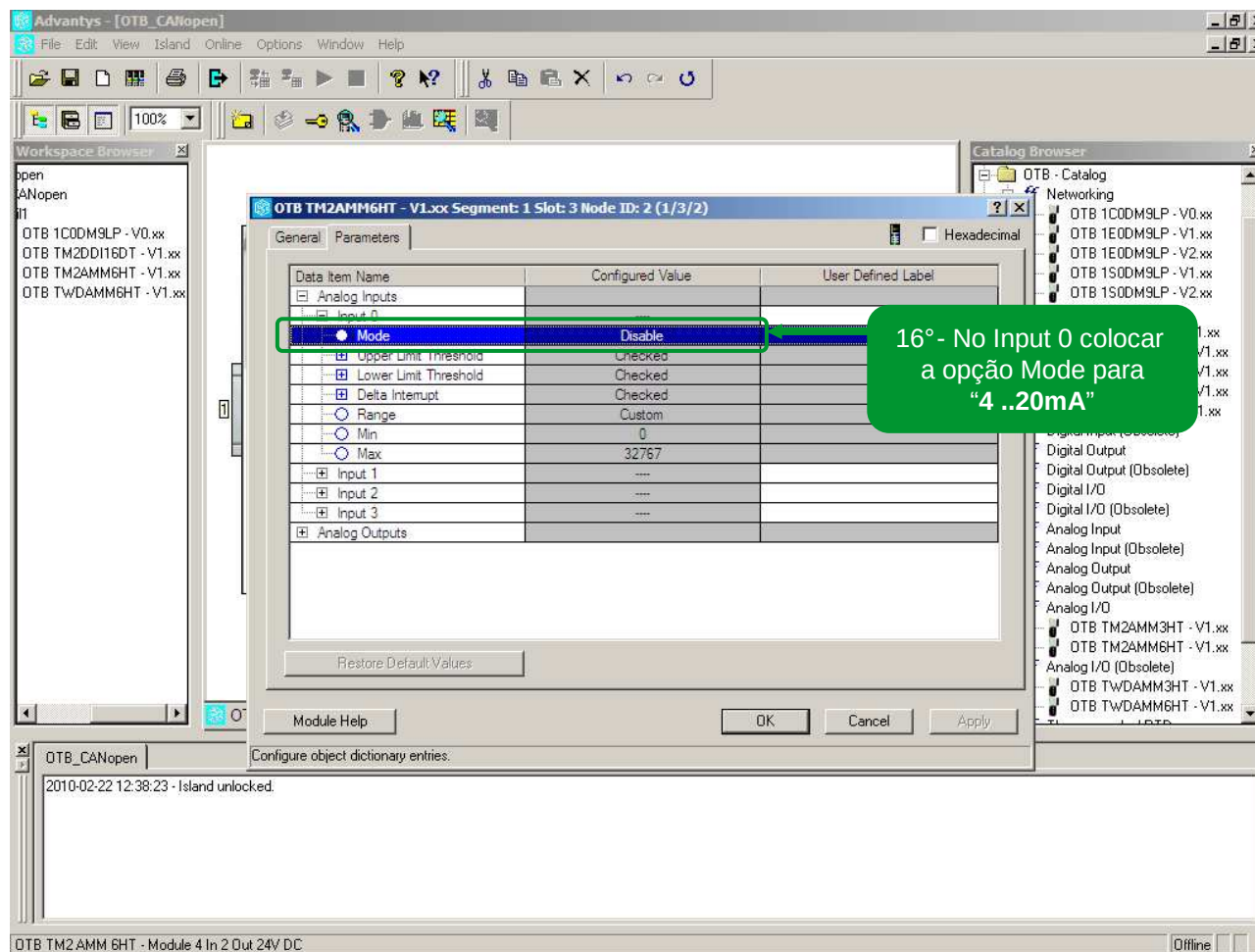
Configuração Advantys - OTB



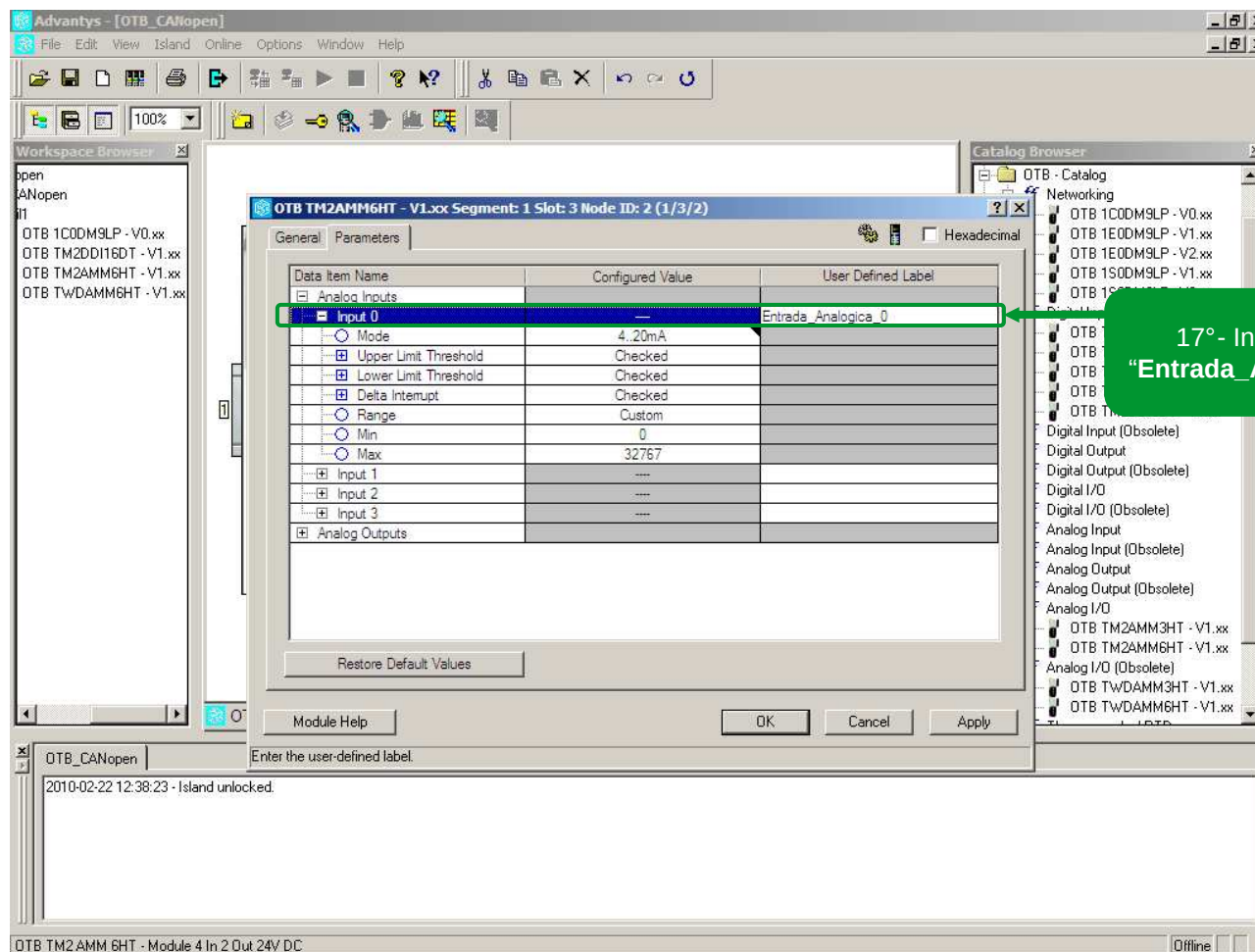
Configuração Advantys - OTB



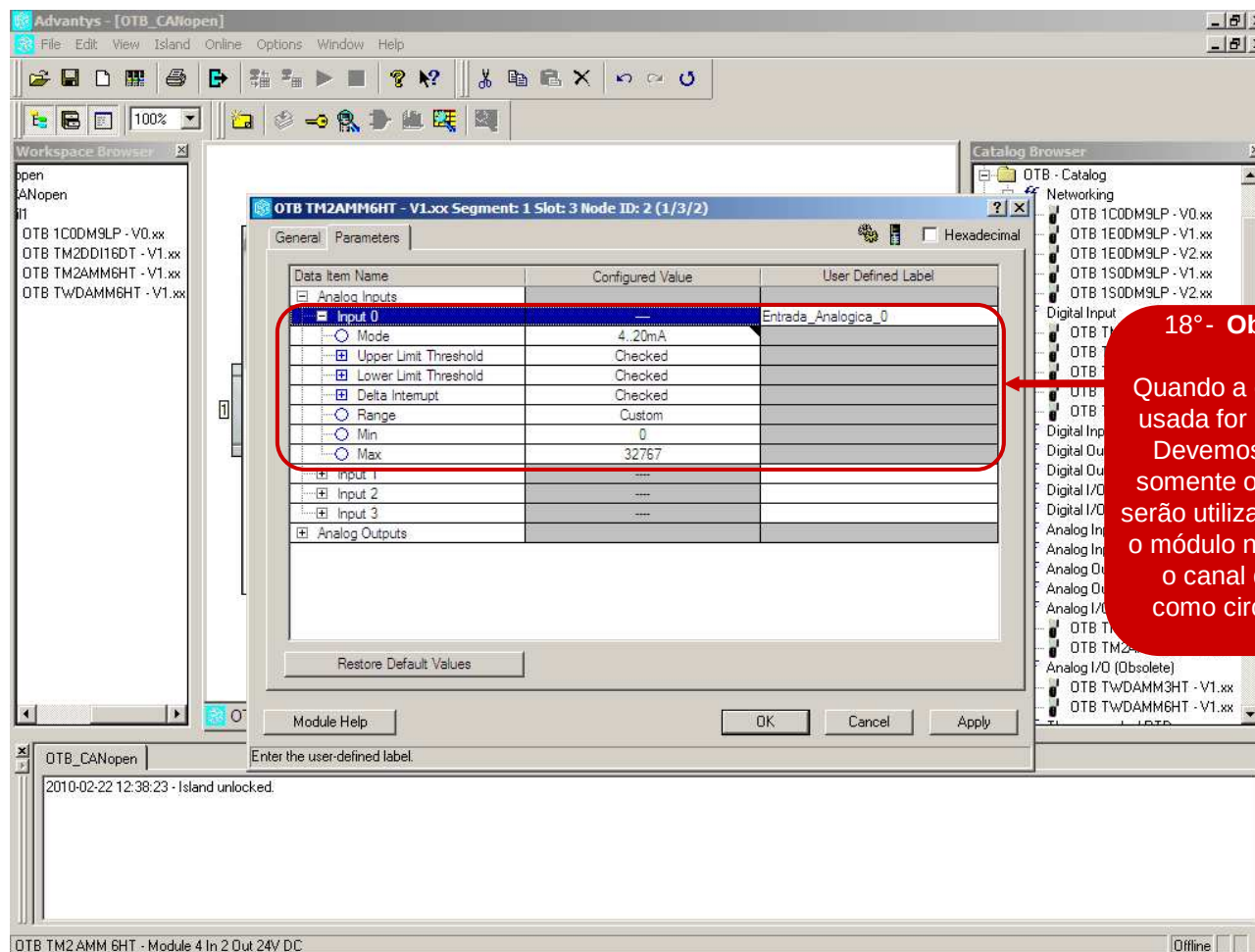
Configuração Advantys - OTB



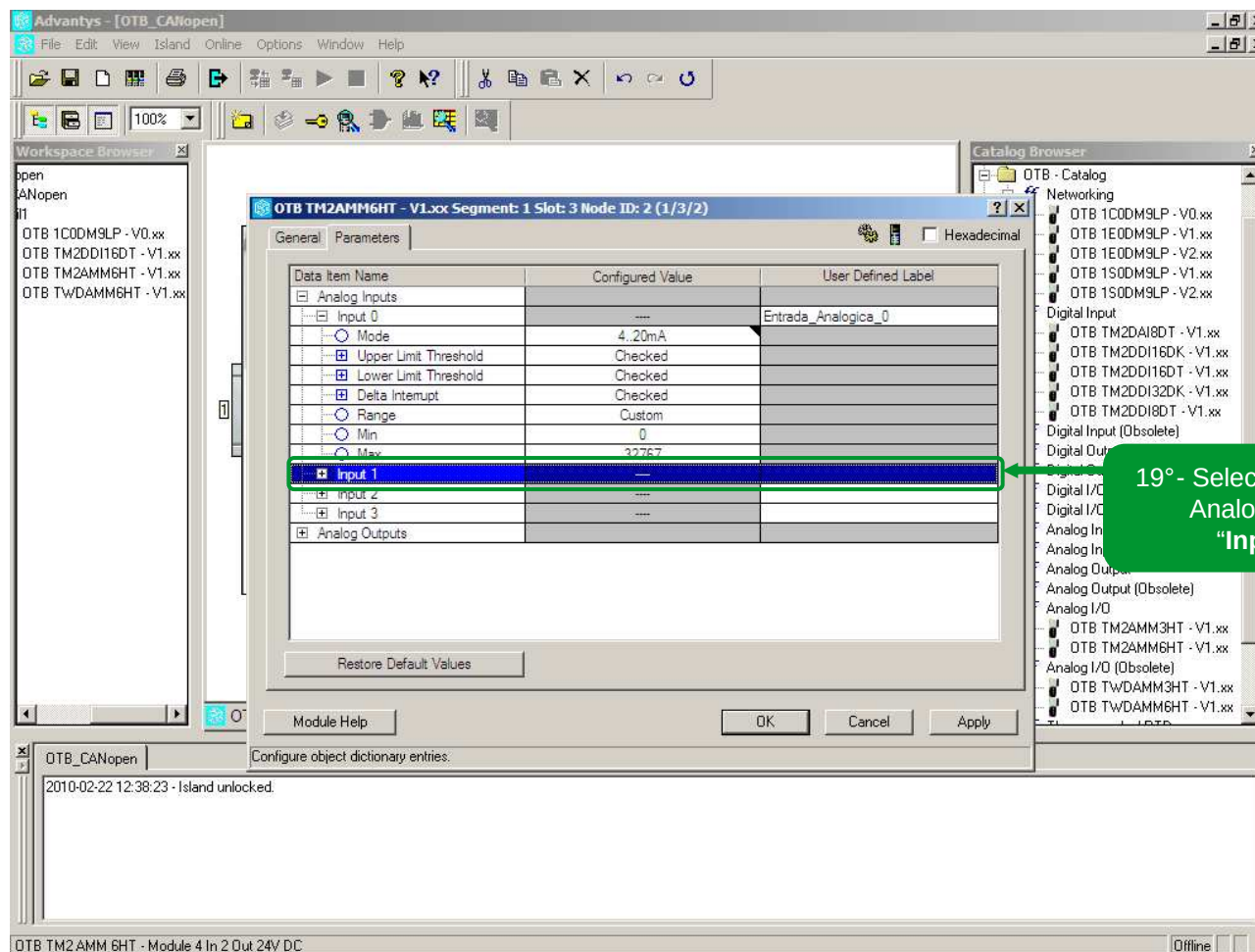
Configuração Advantys - OTB



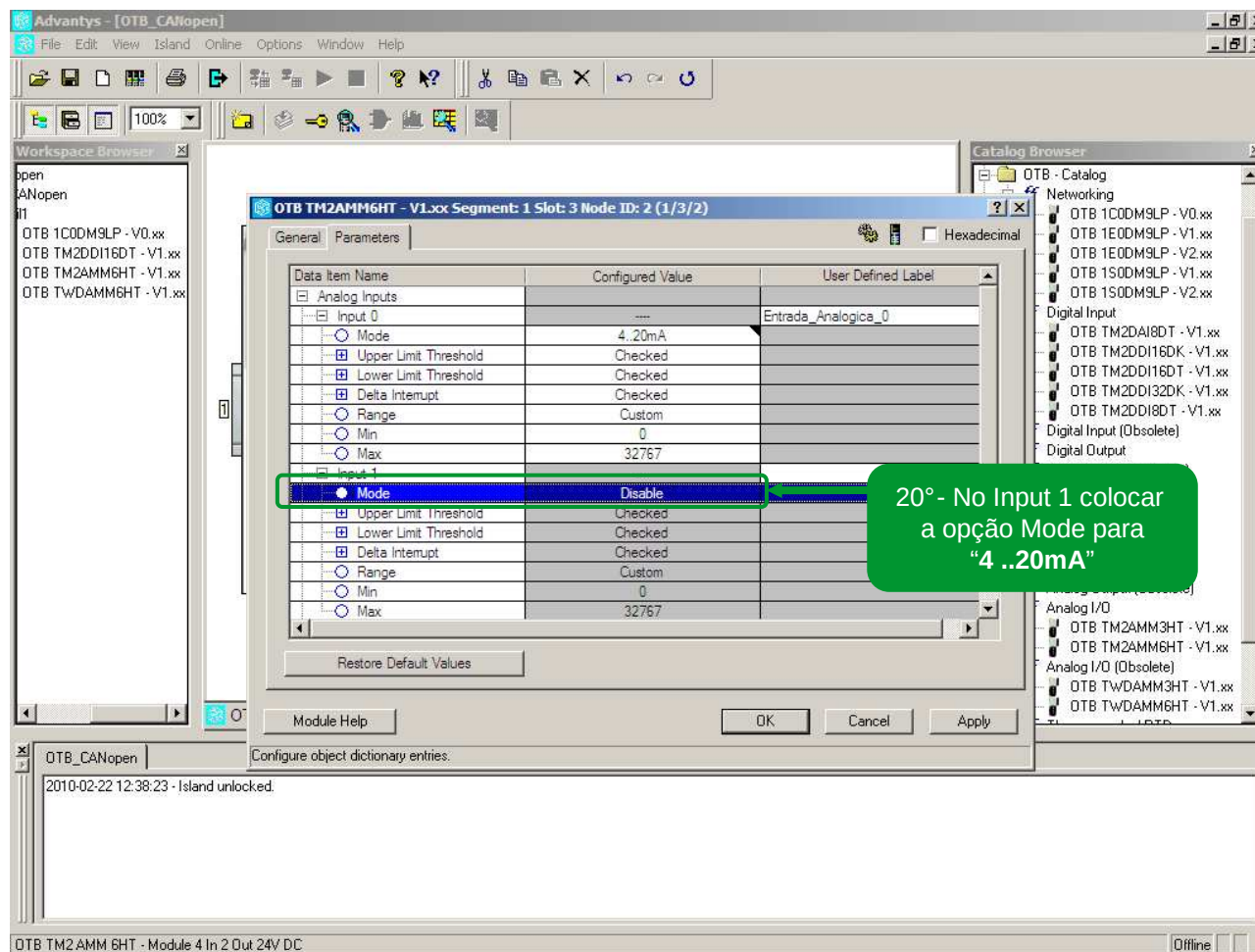
Configuração Advantys - OTB



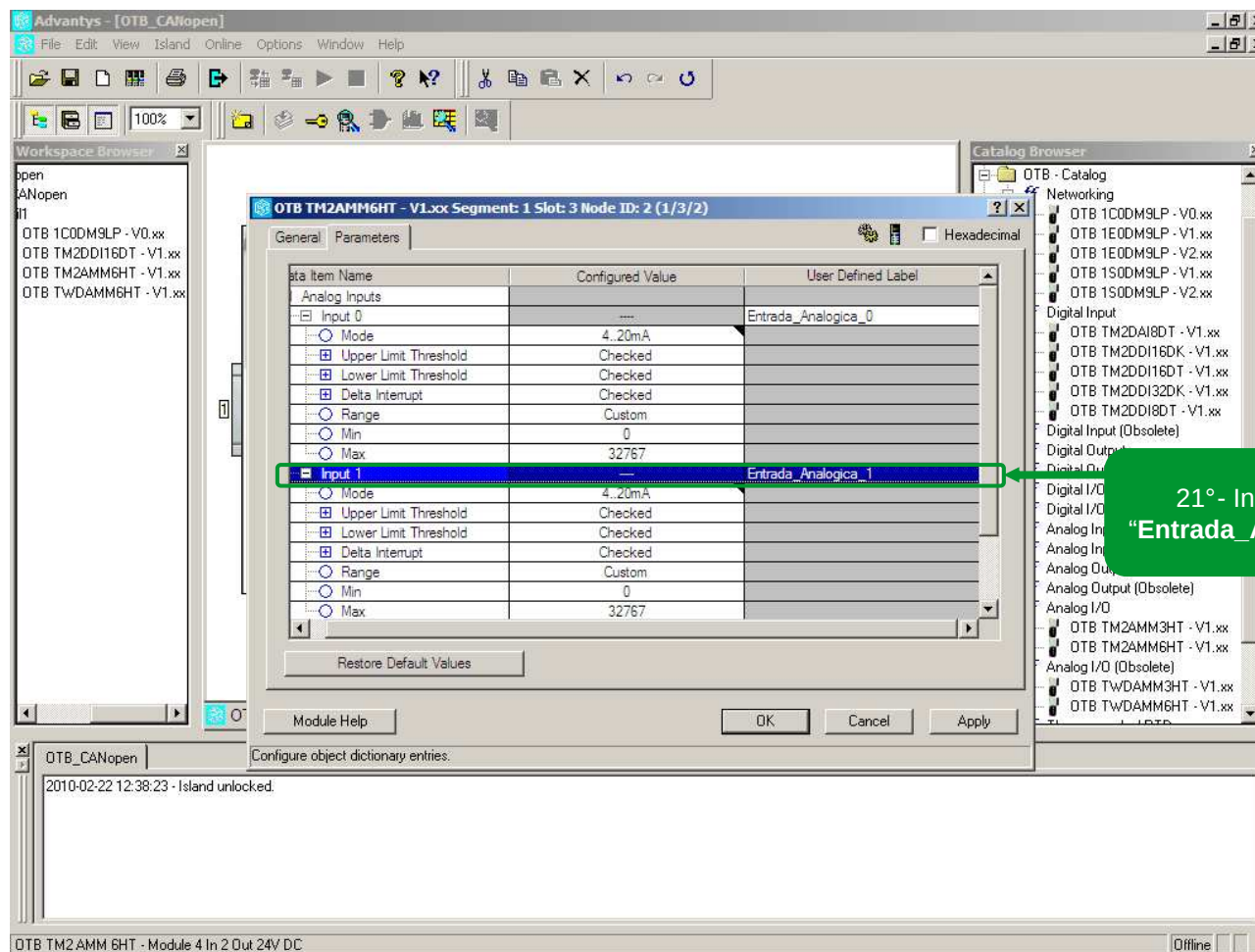
Configuração Advantys - OTB



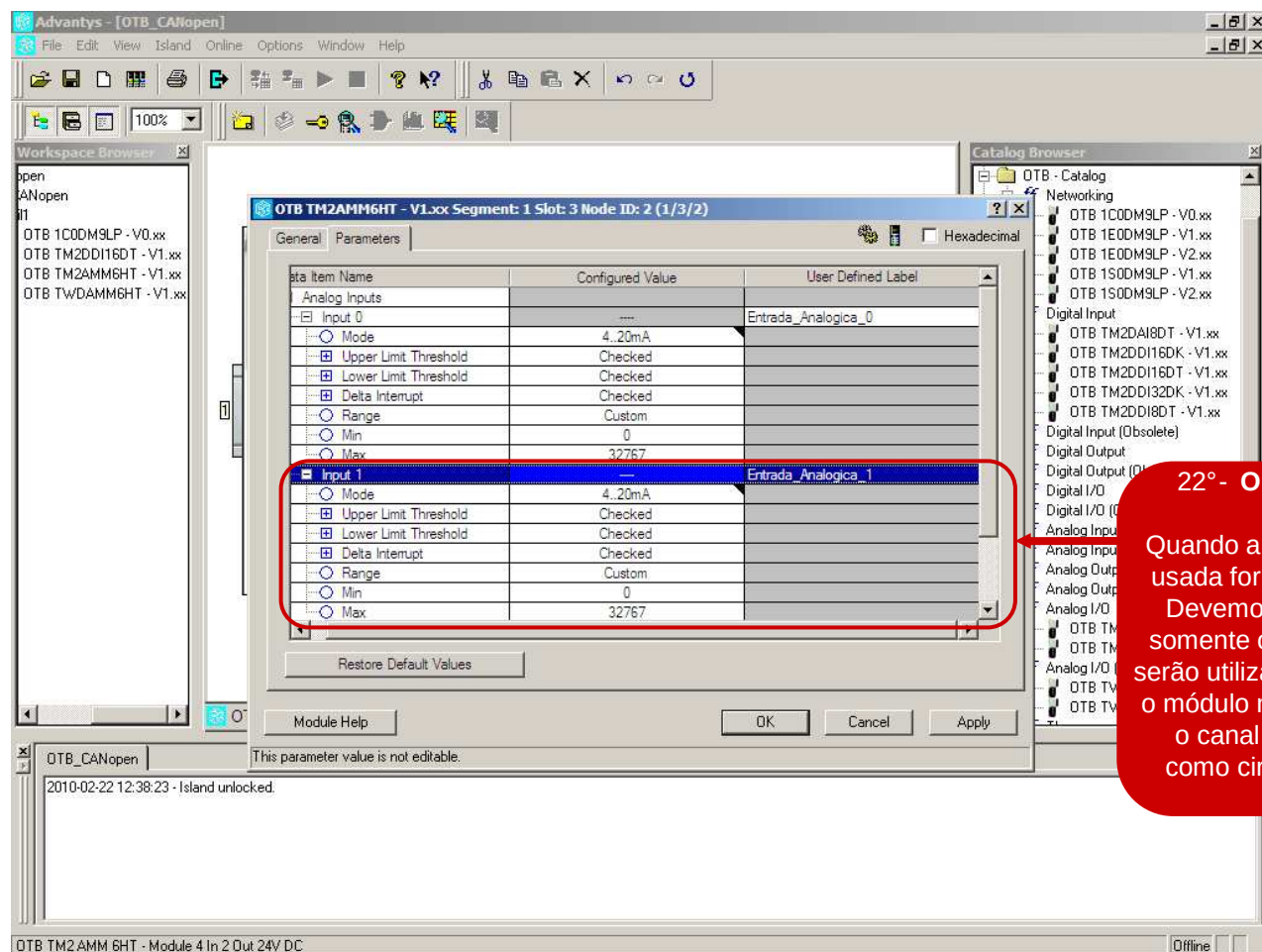
Configuração Advantys - OTB



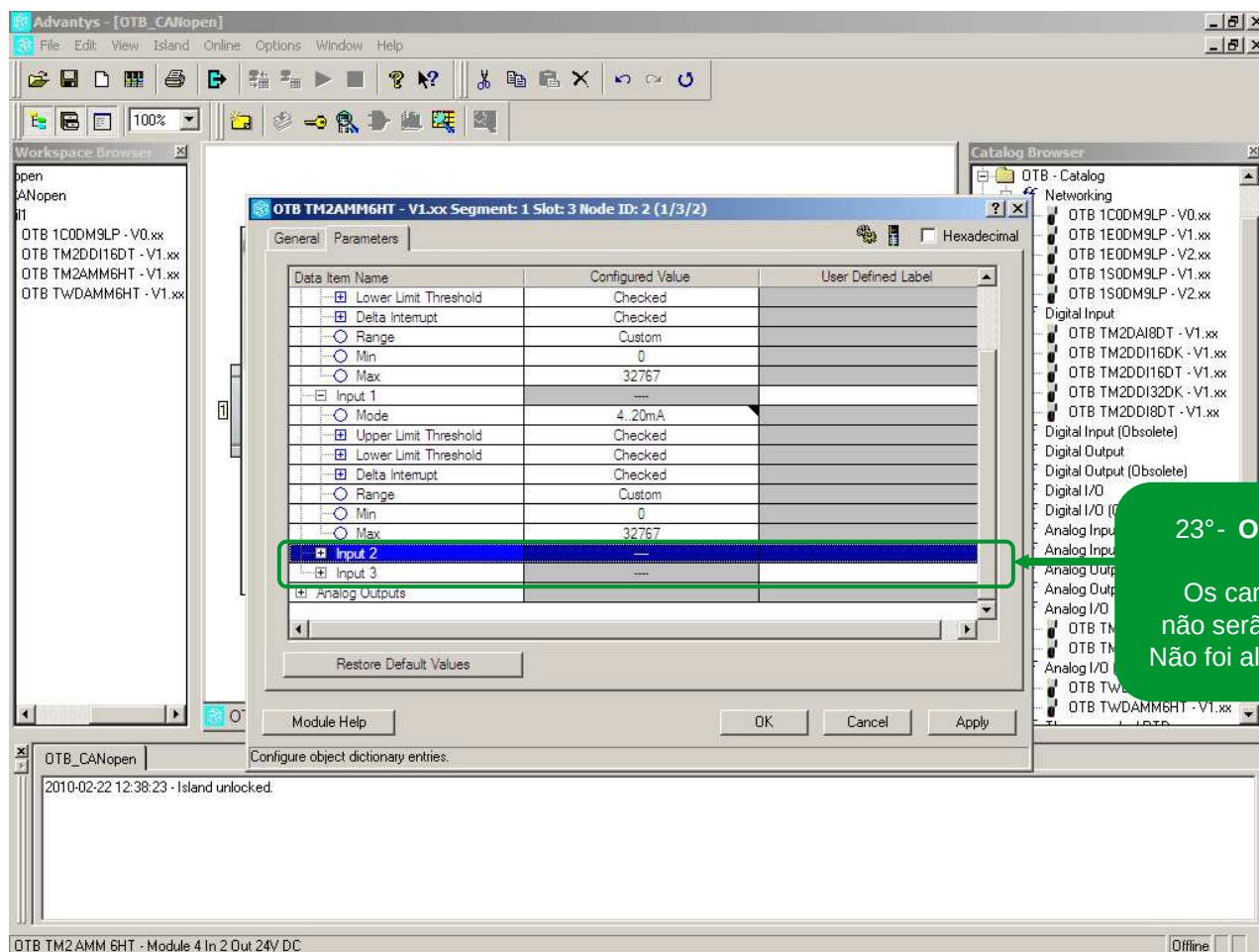
Configuração Advantys - OTB



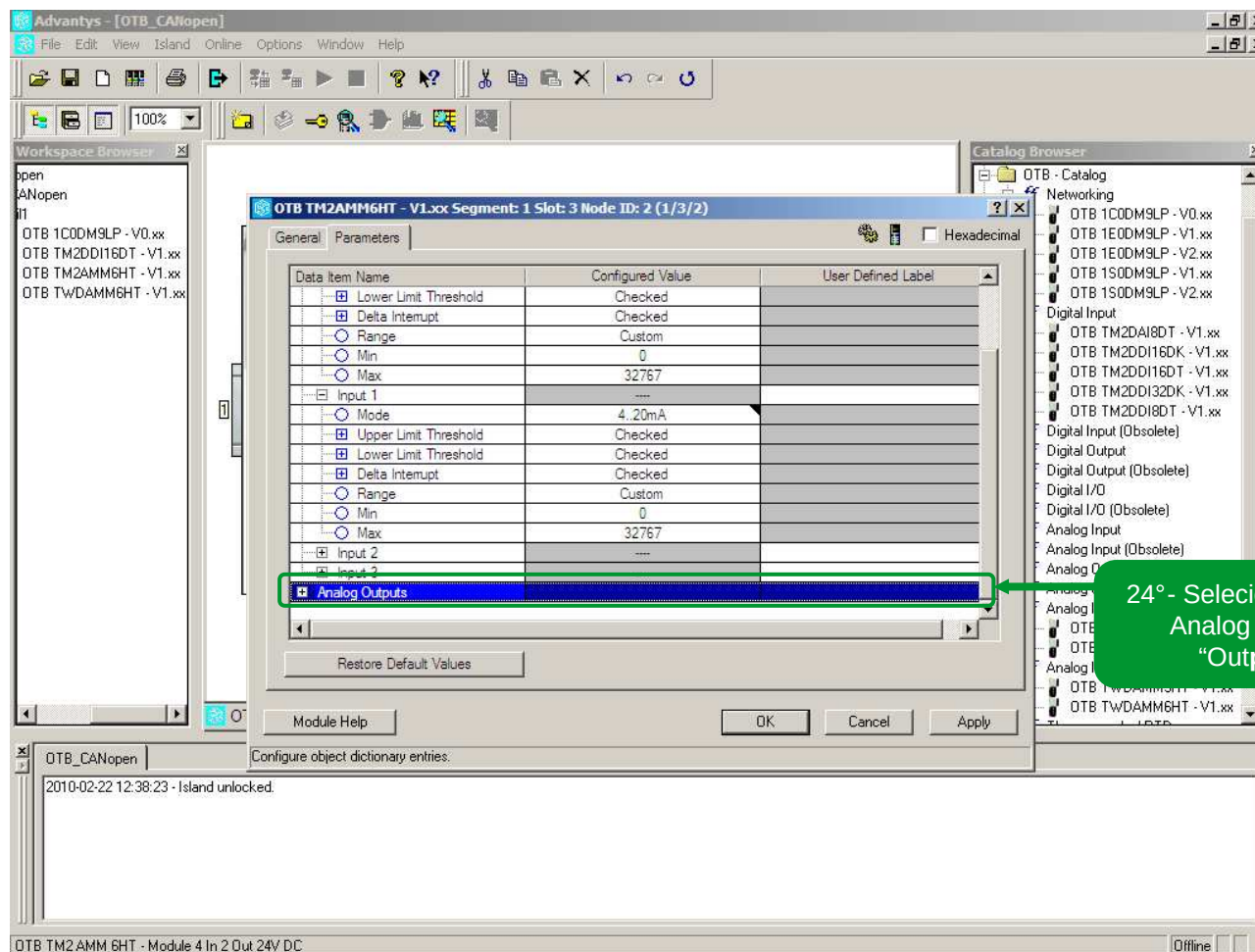
Configuração Advantys - OTB



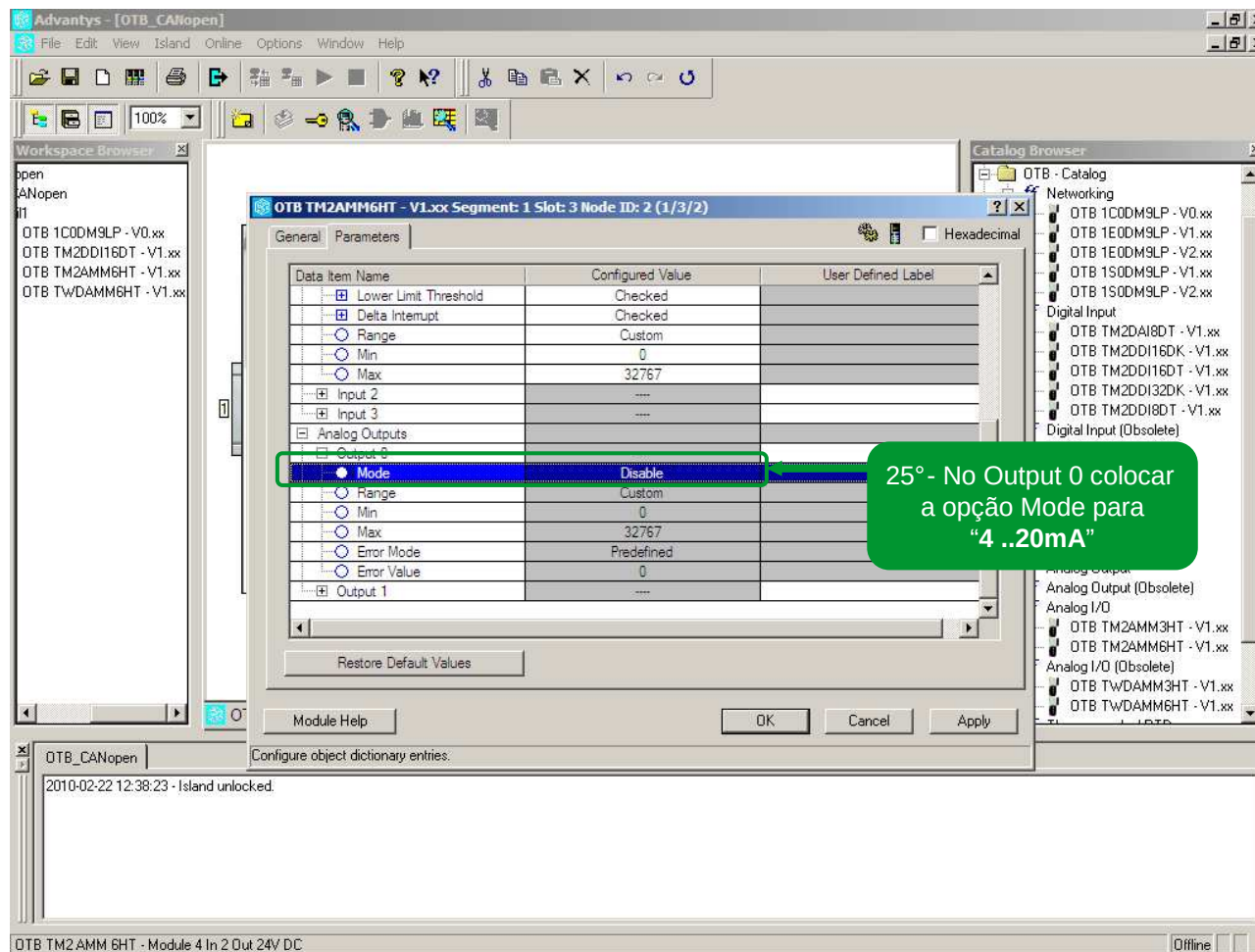
Configuração Advantys - OTB



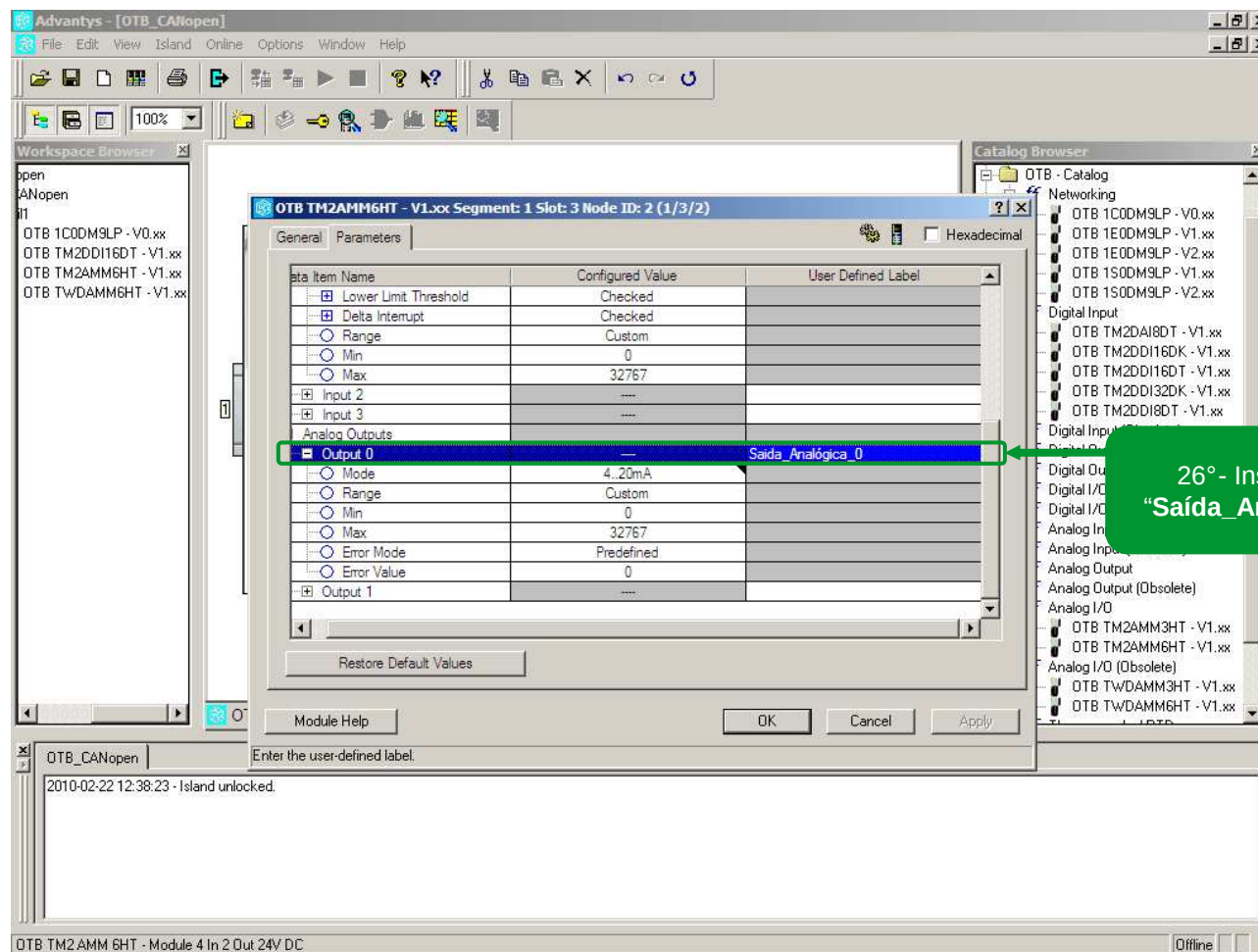
Configuração Advantys - OTB



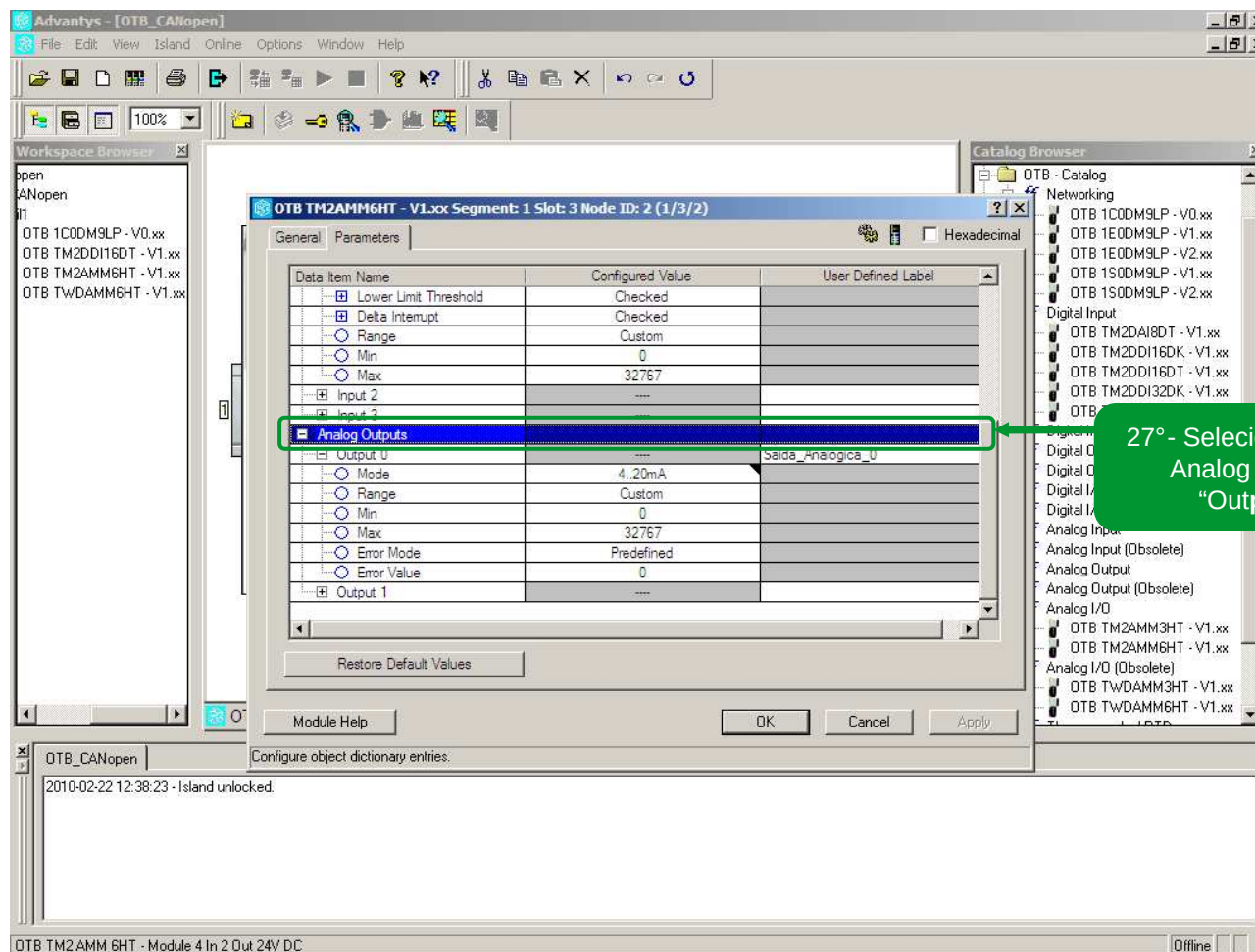
Configuração Advantys - OTB



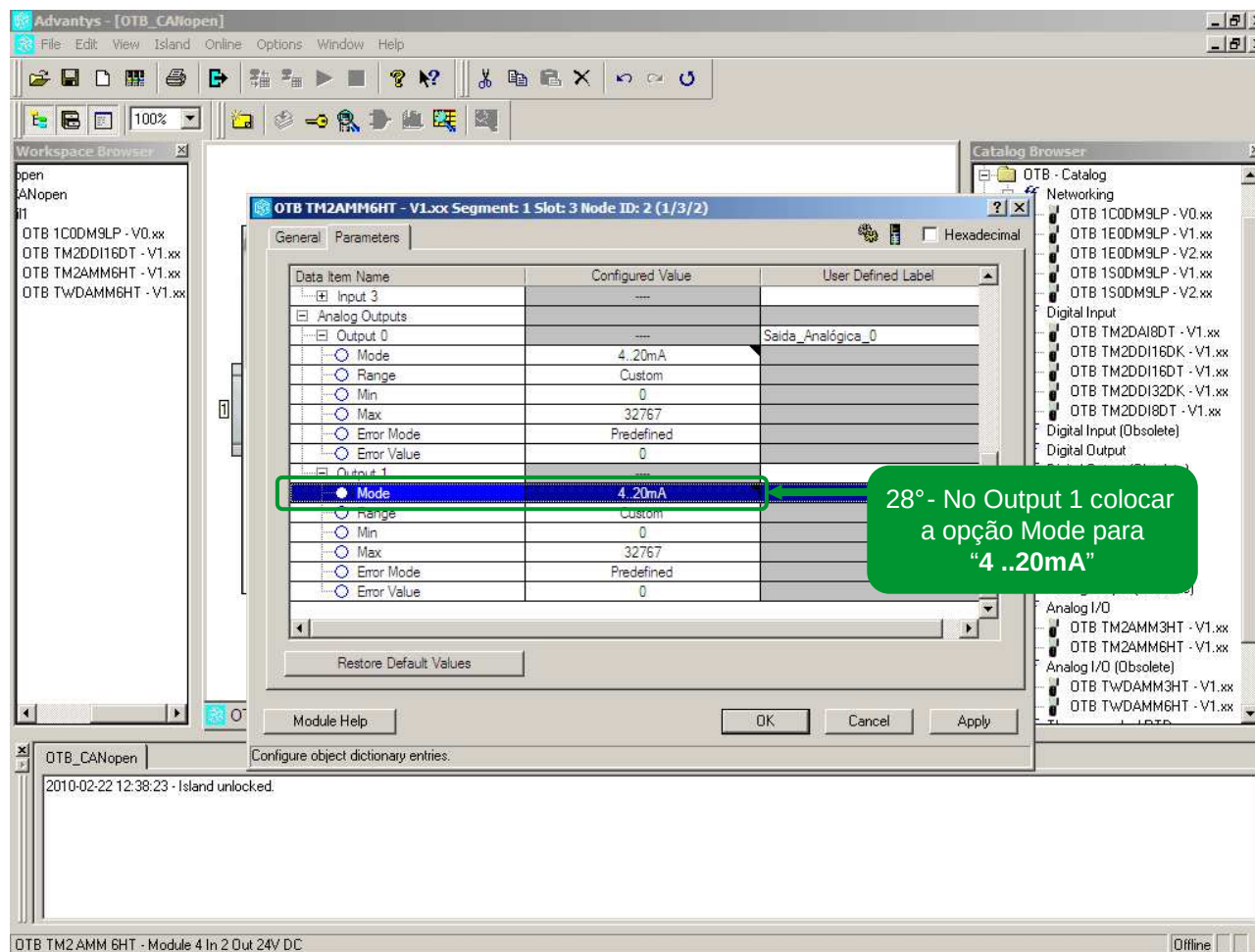
Configuração Advantys - OTB



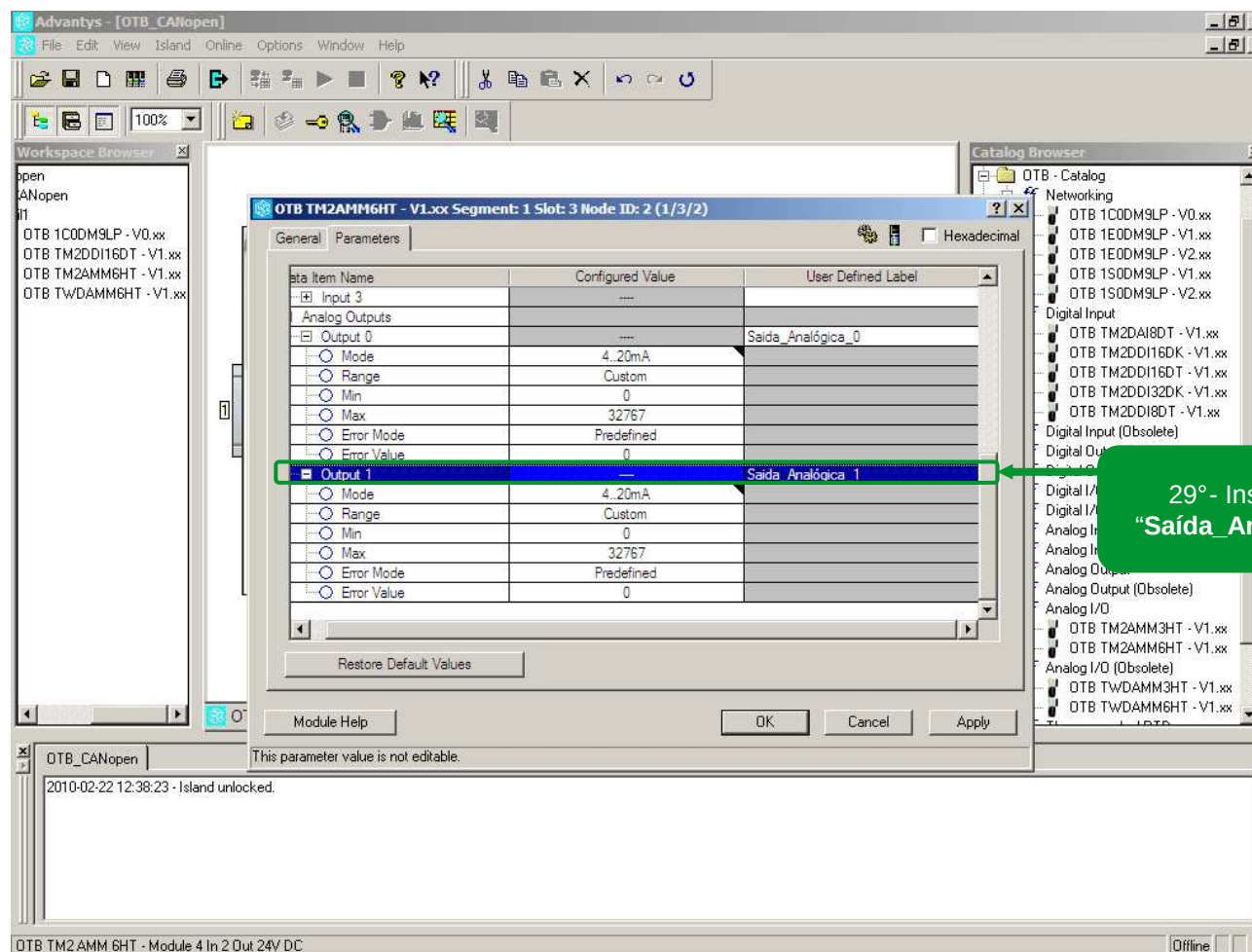
Configuração Advantys - OTB



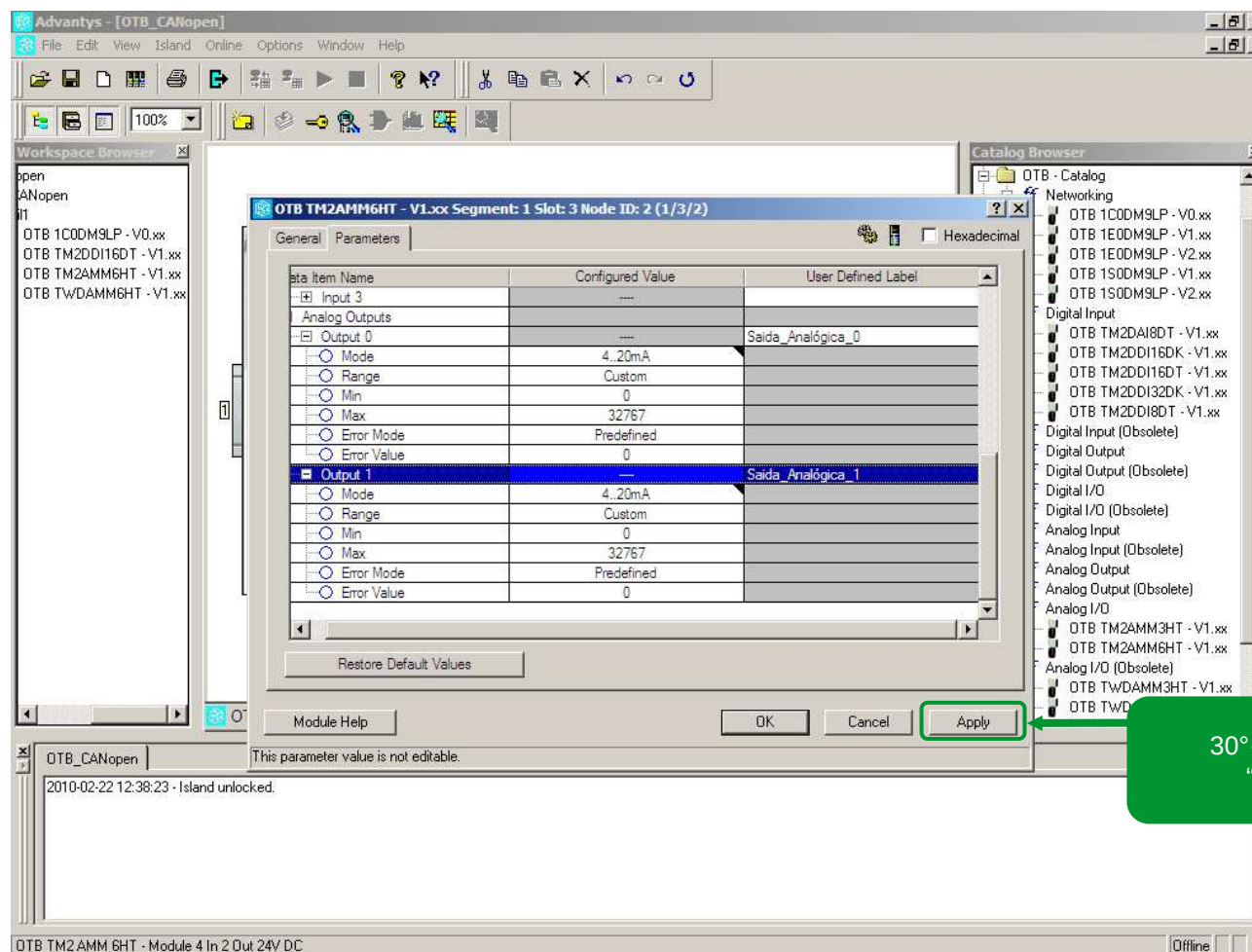
Configuração Advantys - OTB



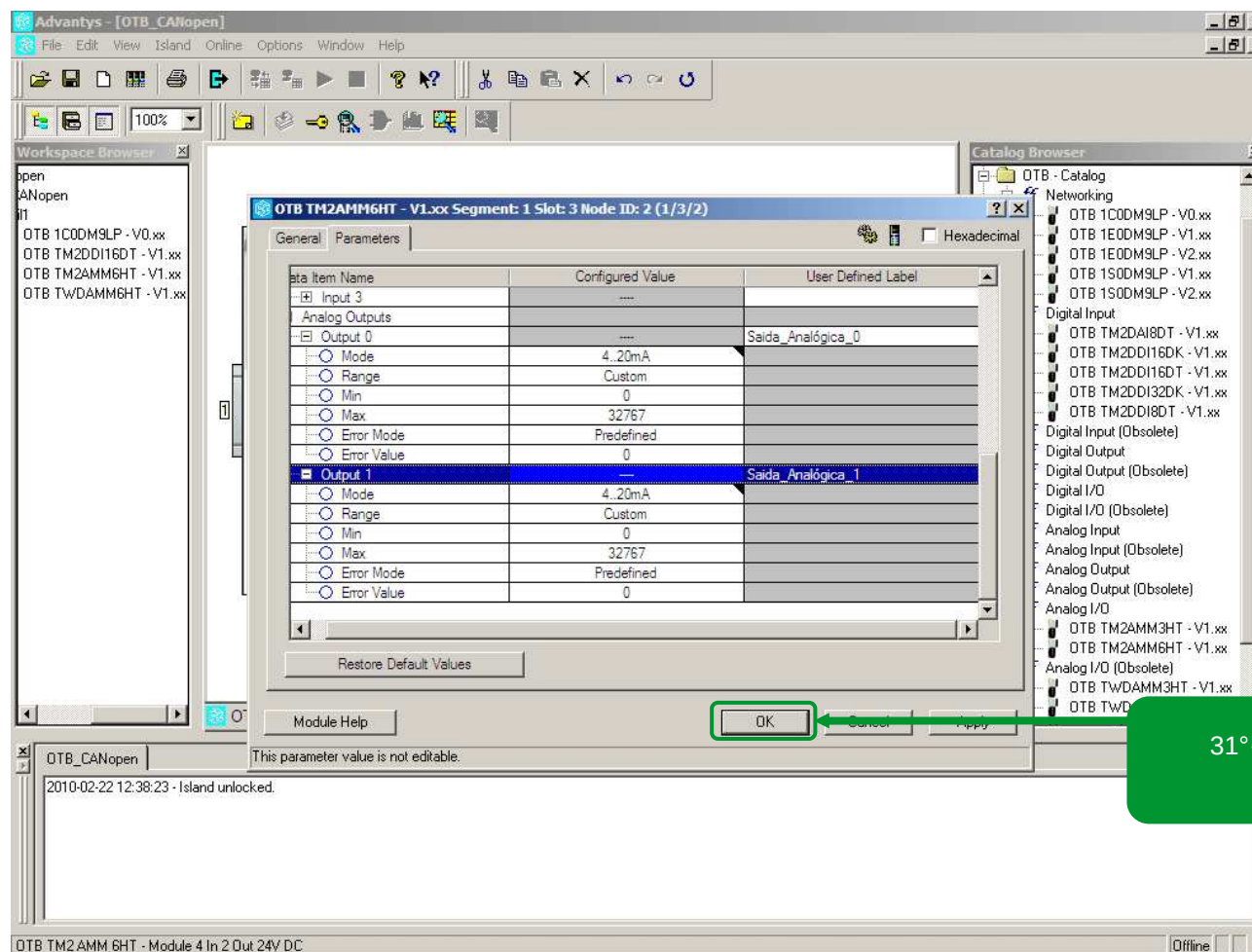
Configuração Advantys - OTB



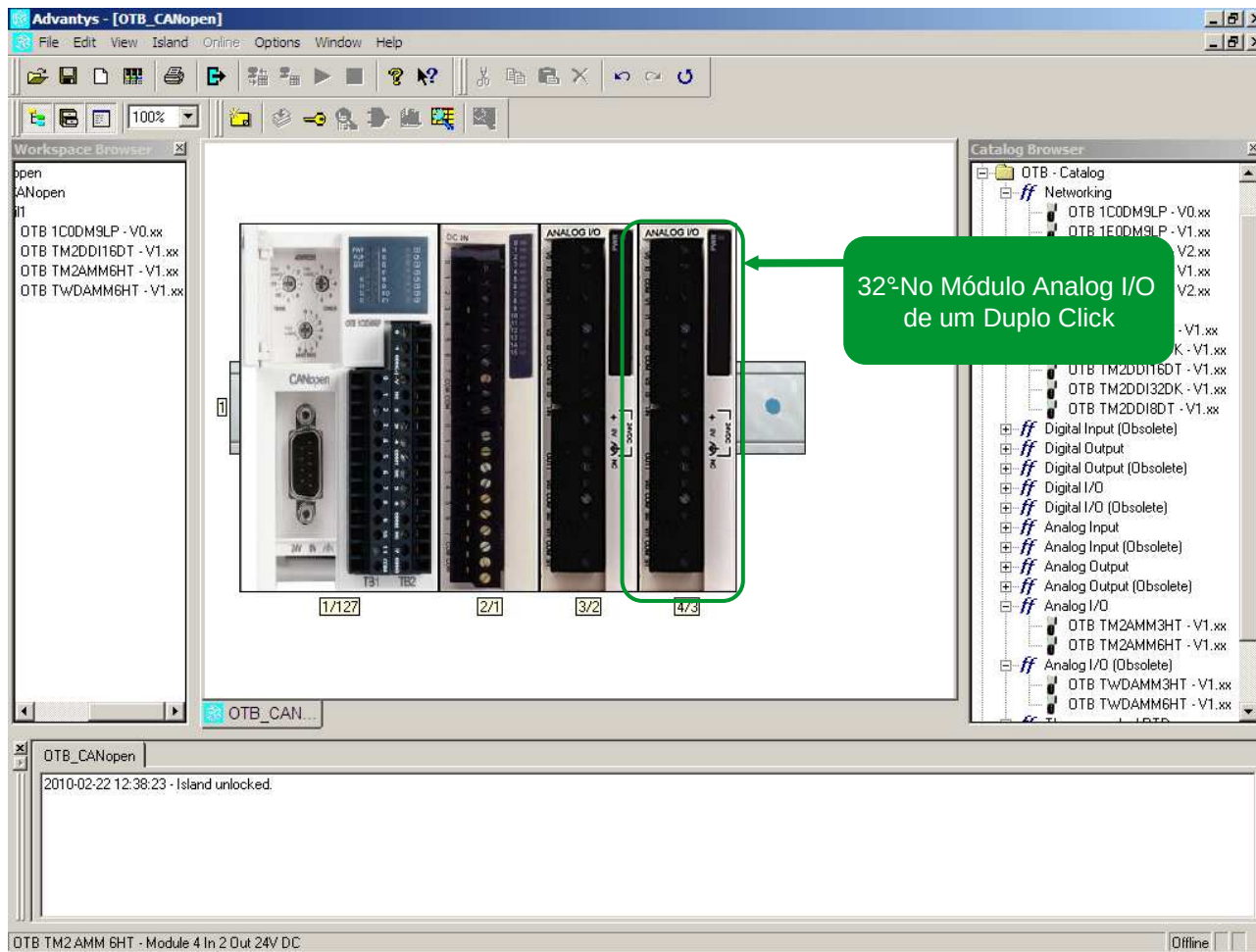
Configuração Advantys - OTB



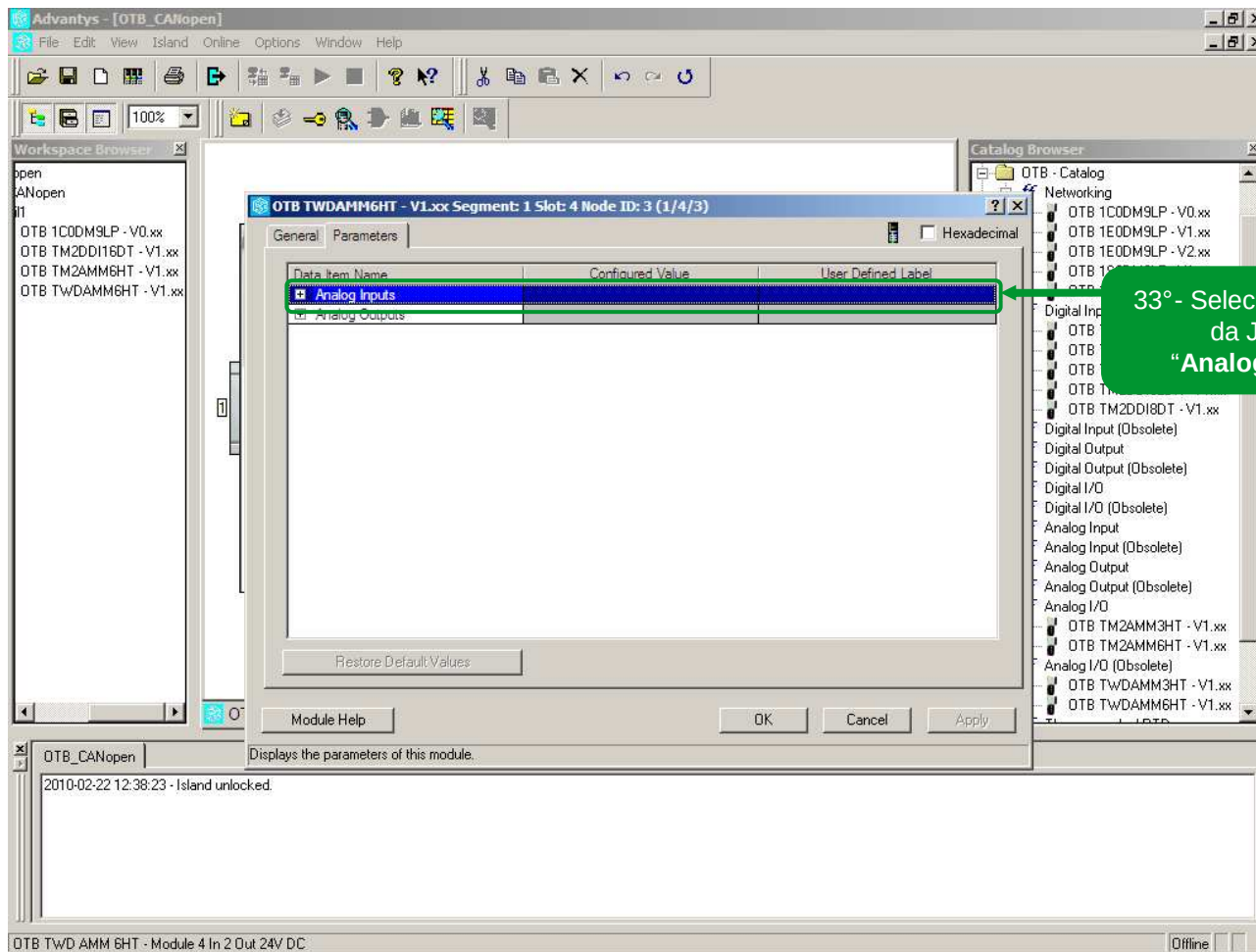
Configuração Advantys - OTB



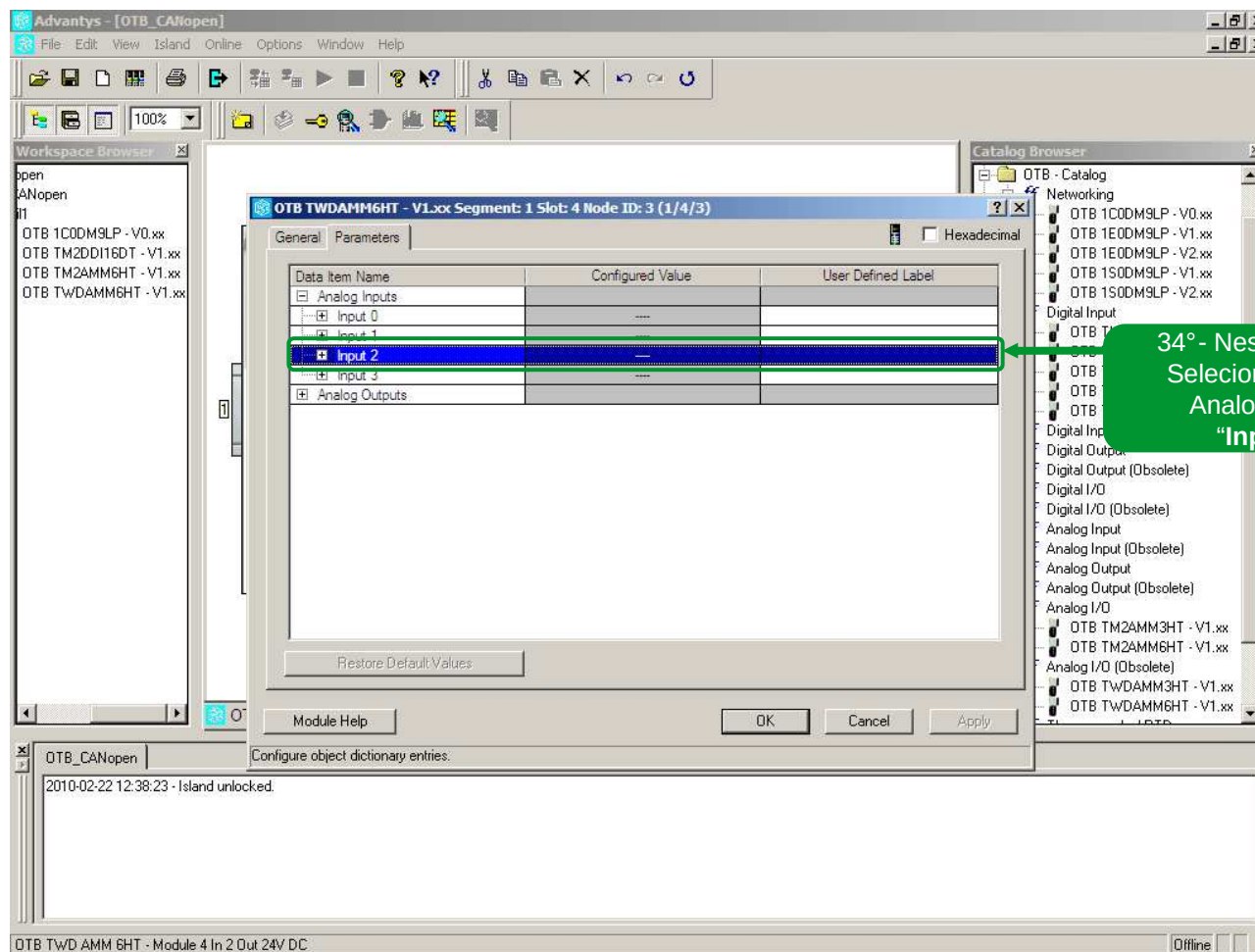
Configuração Advantys - OTB



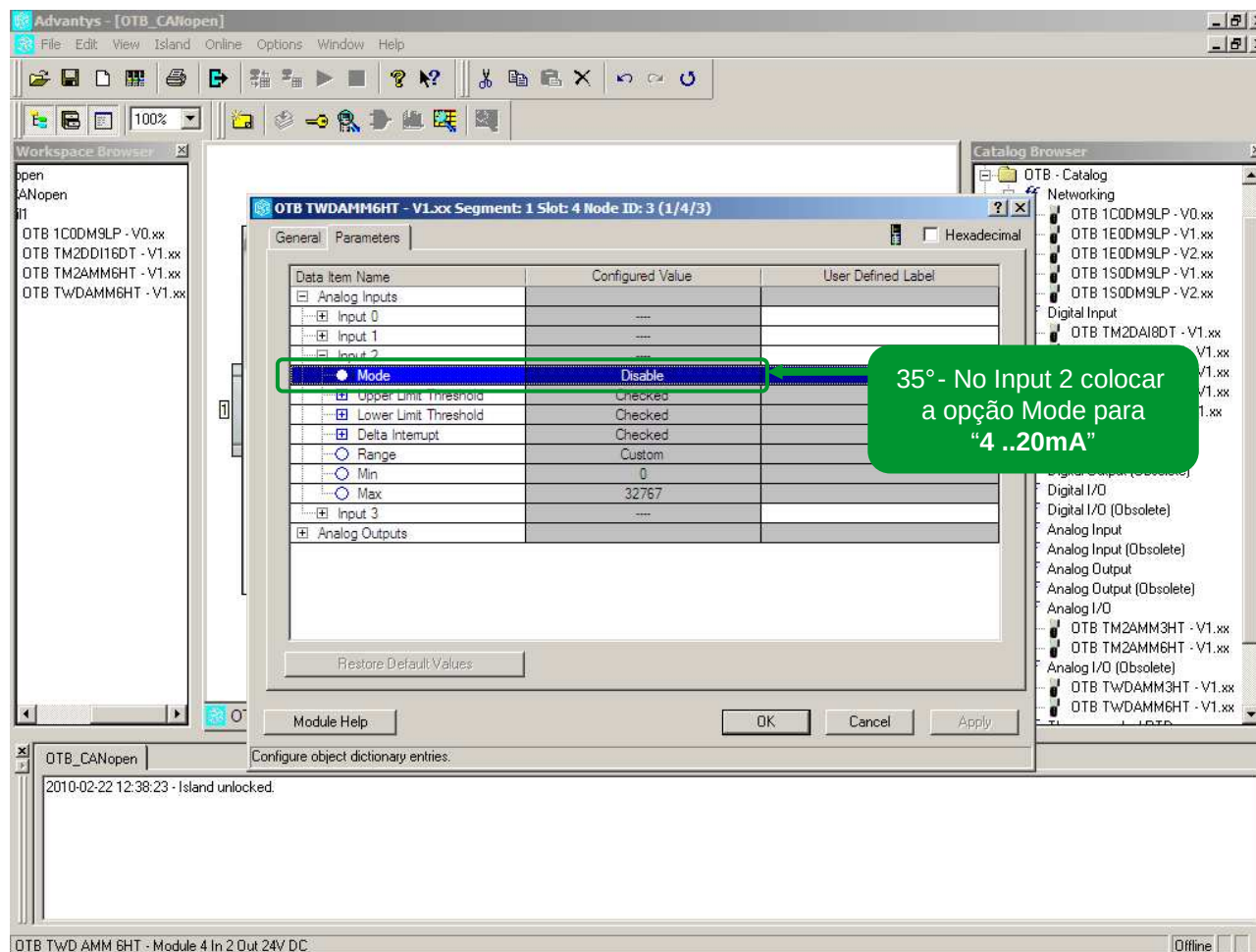
Configuração Advantys - OTB



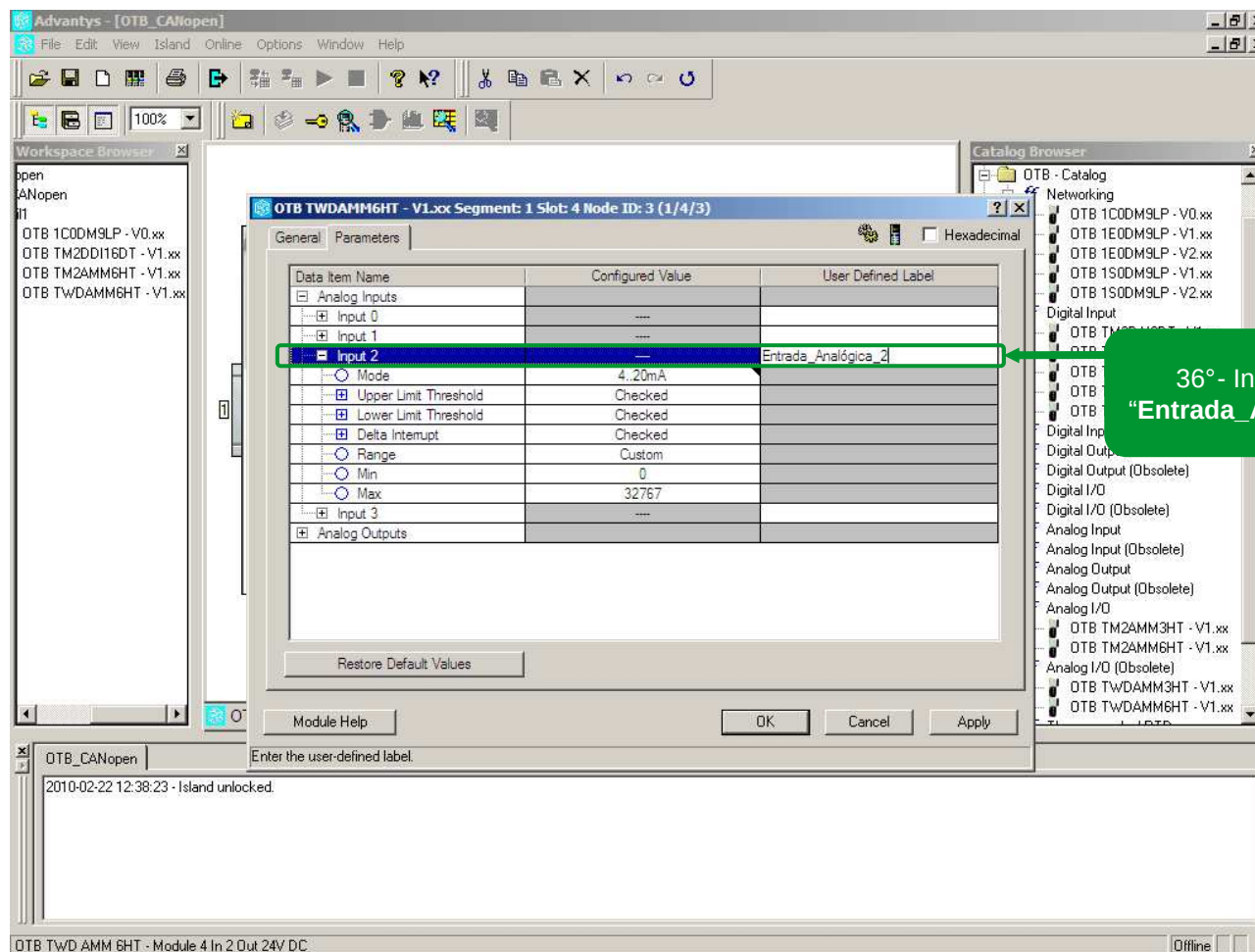
Configuração Advantys - OTB



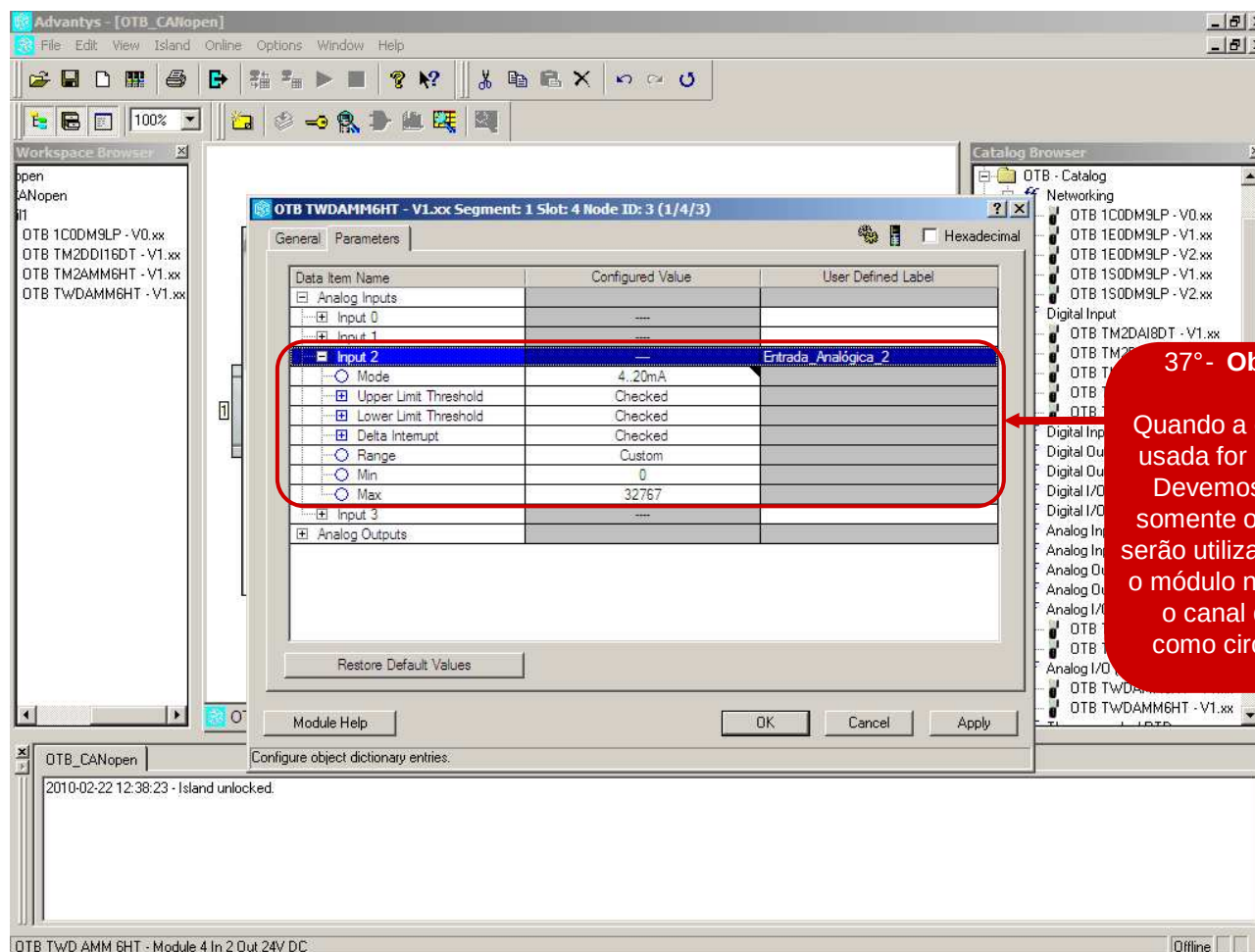
Configuração Advantys - OTB



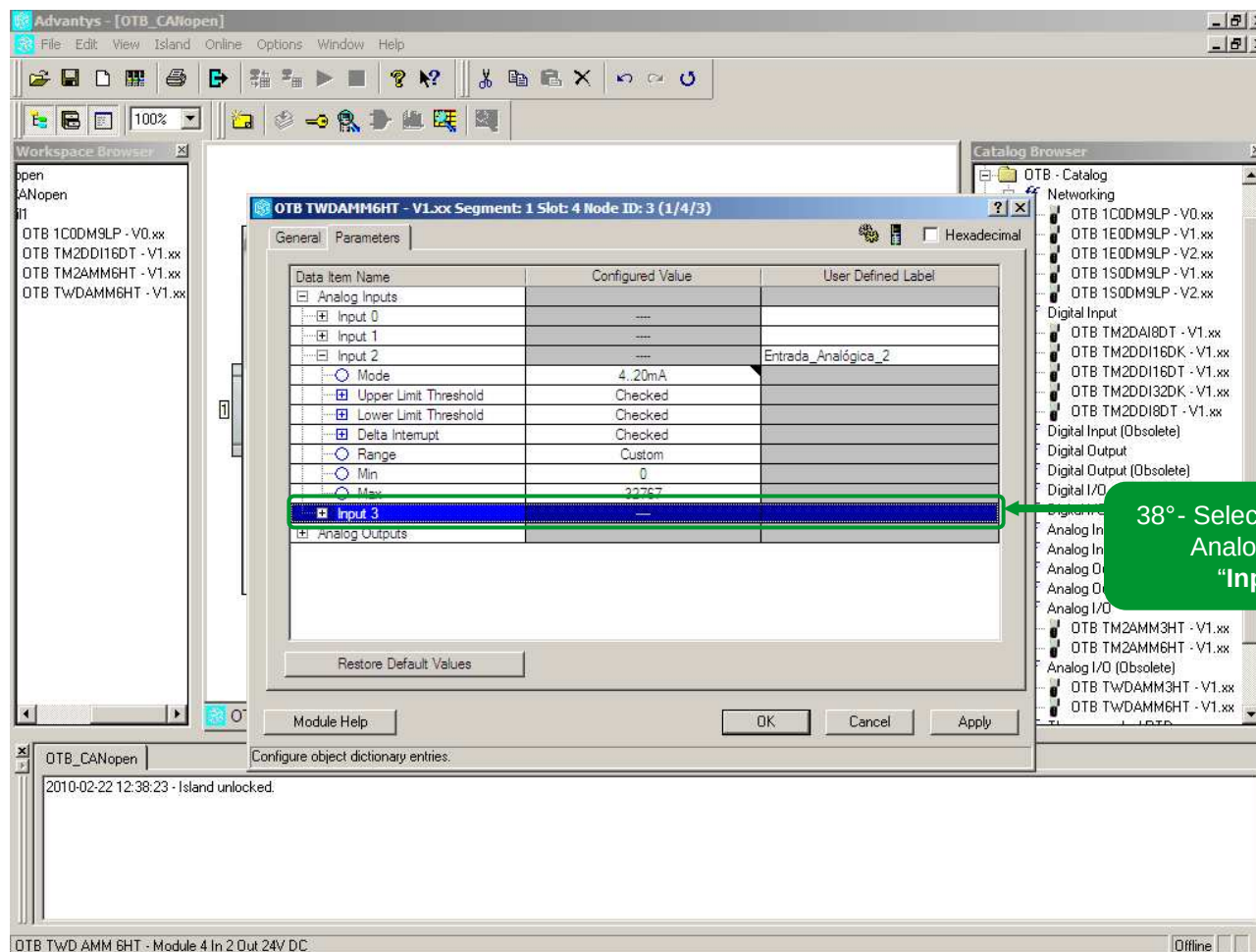
Configuração Advantys - OTB



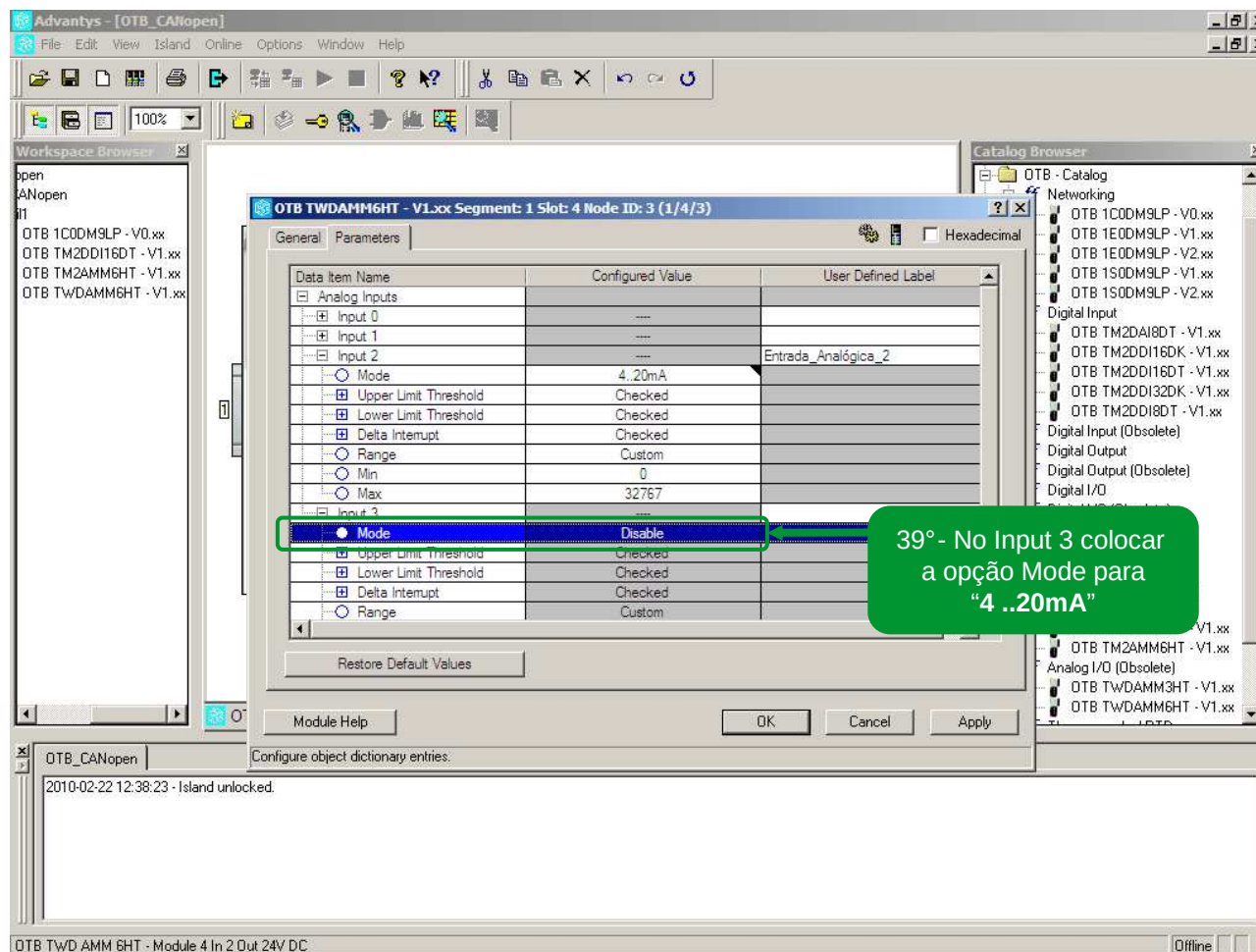
Configuração Advantys - OTB



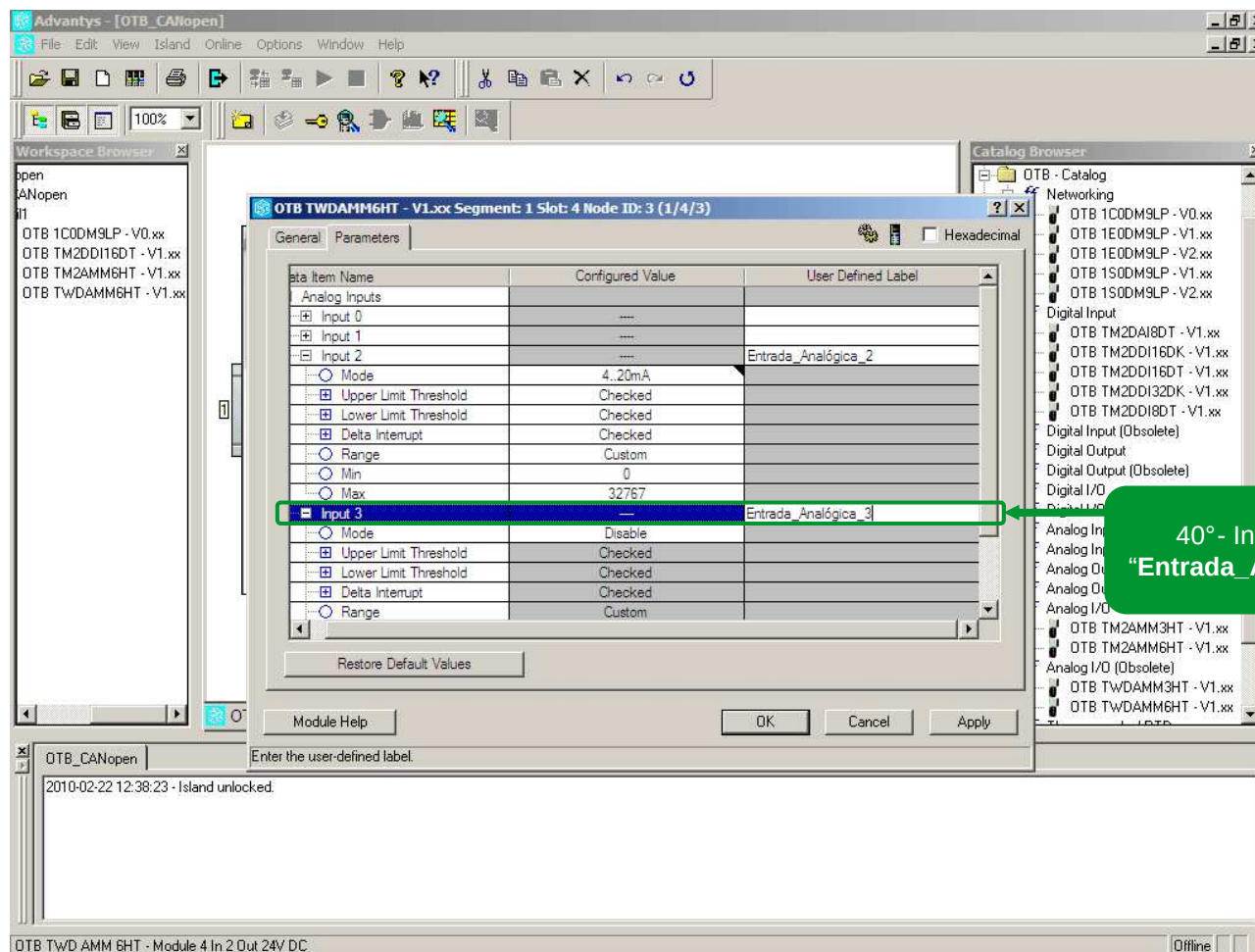
Configuração Advantys - OTB



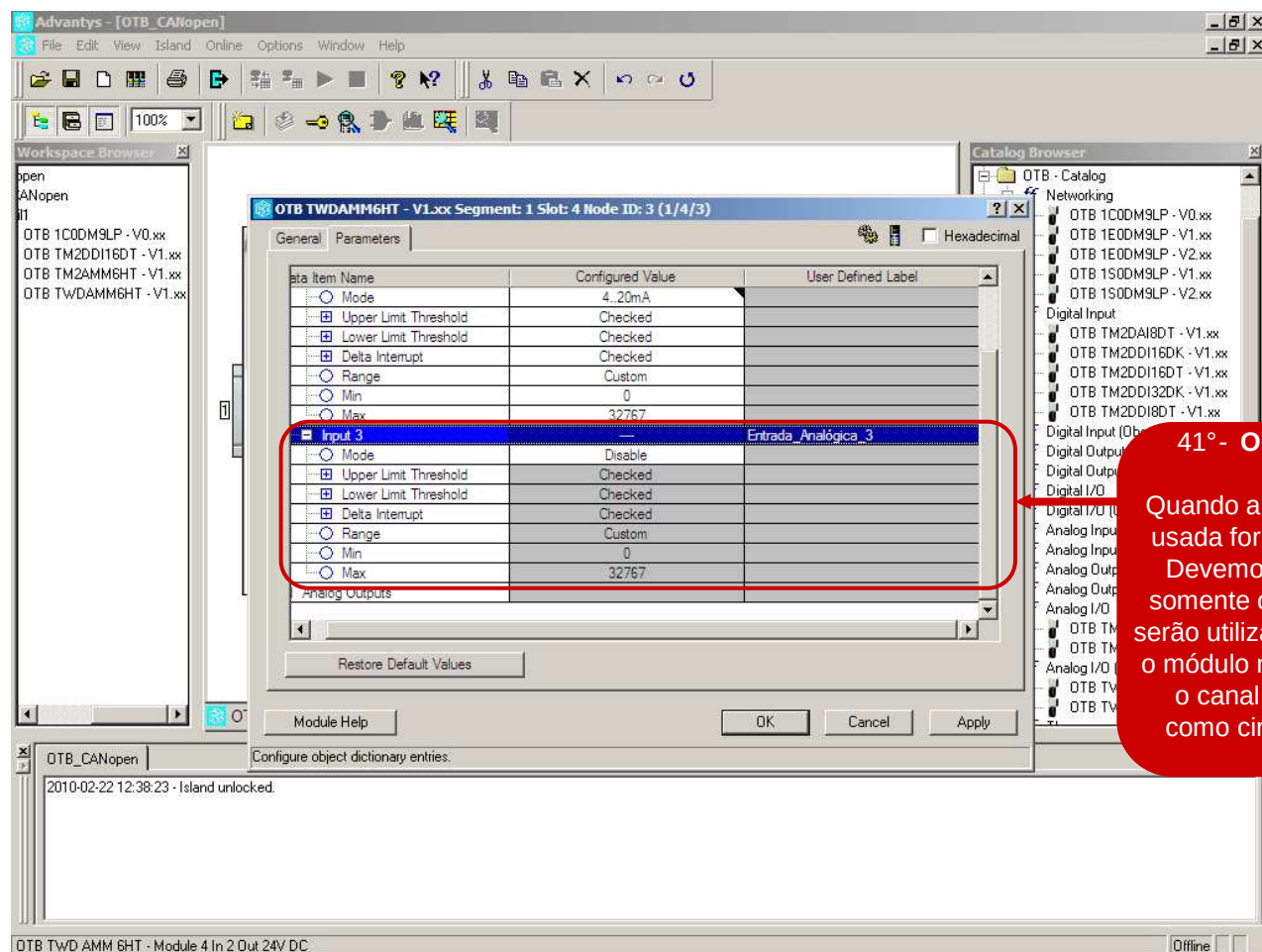
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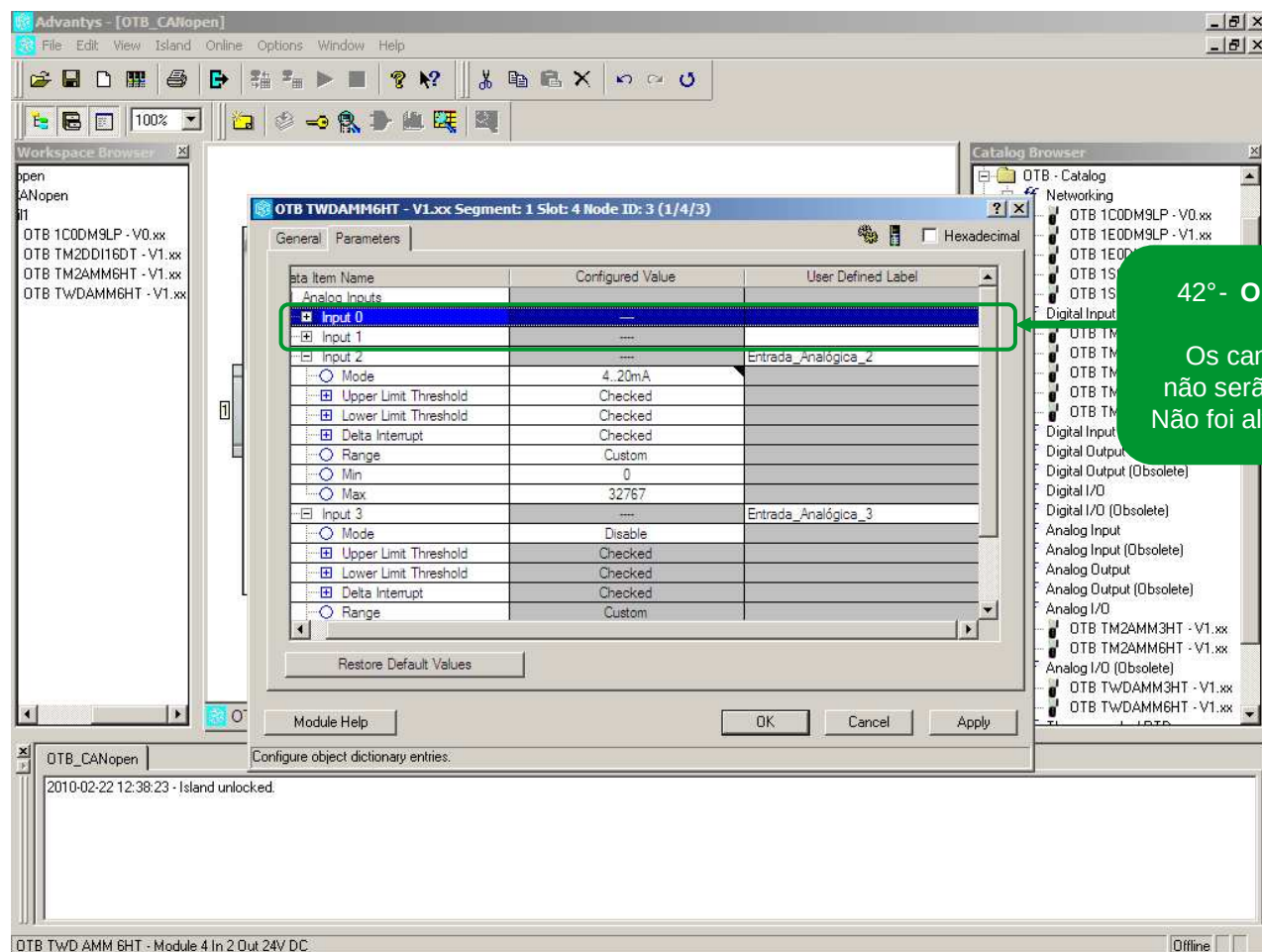
Configuração Advantys - OTB



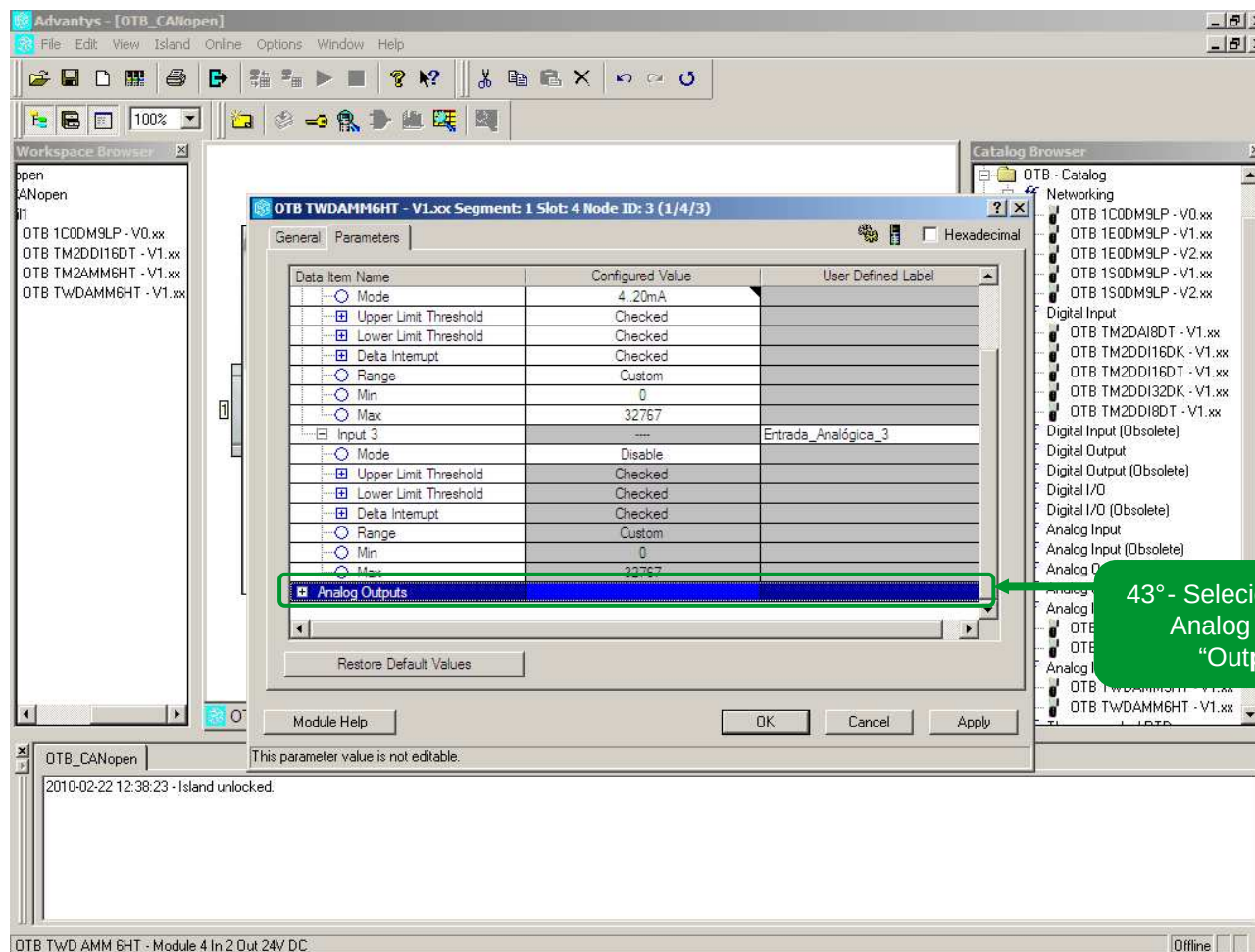
Configuração Advantys - OTB



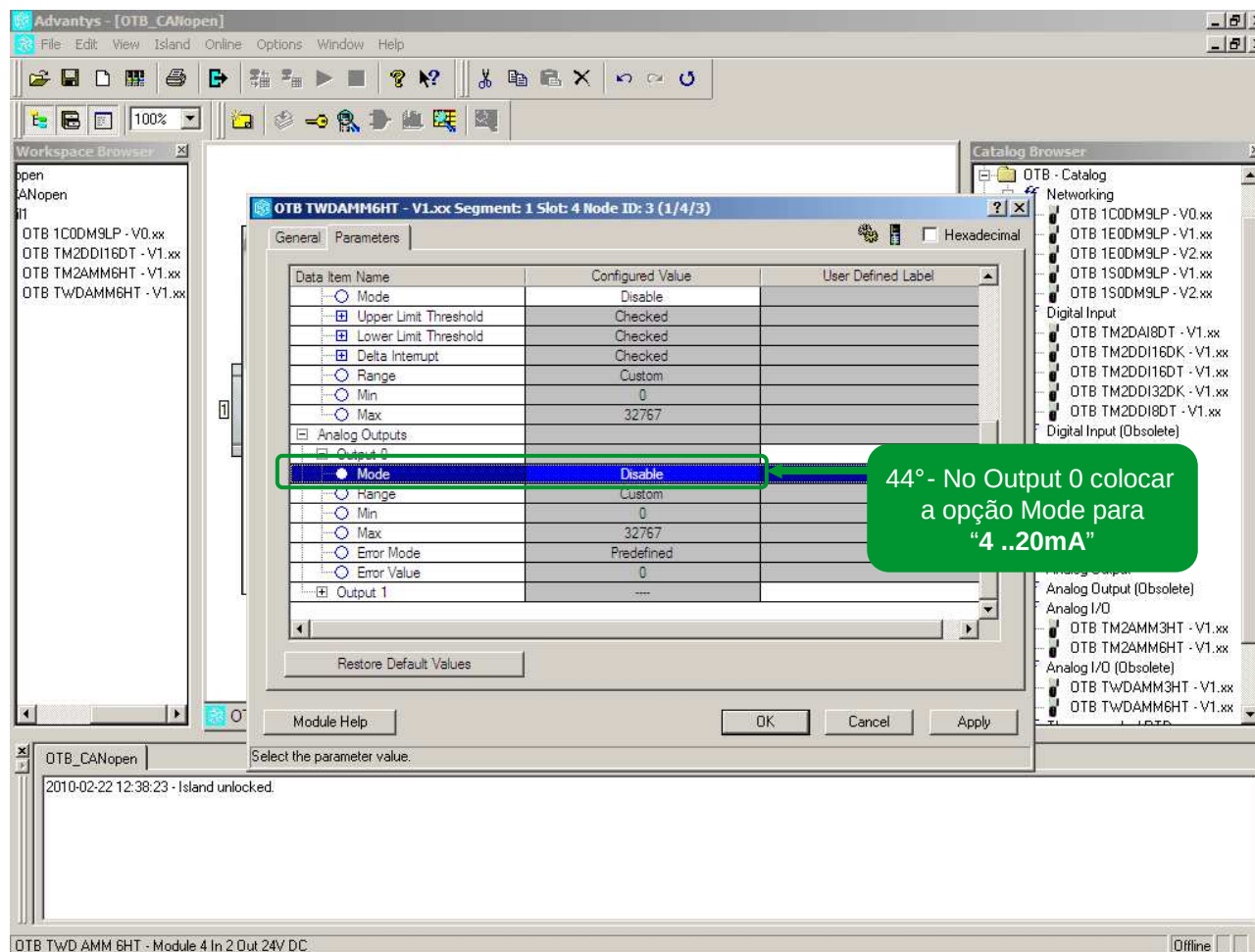
Configuração Advantys - OTB



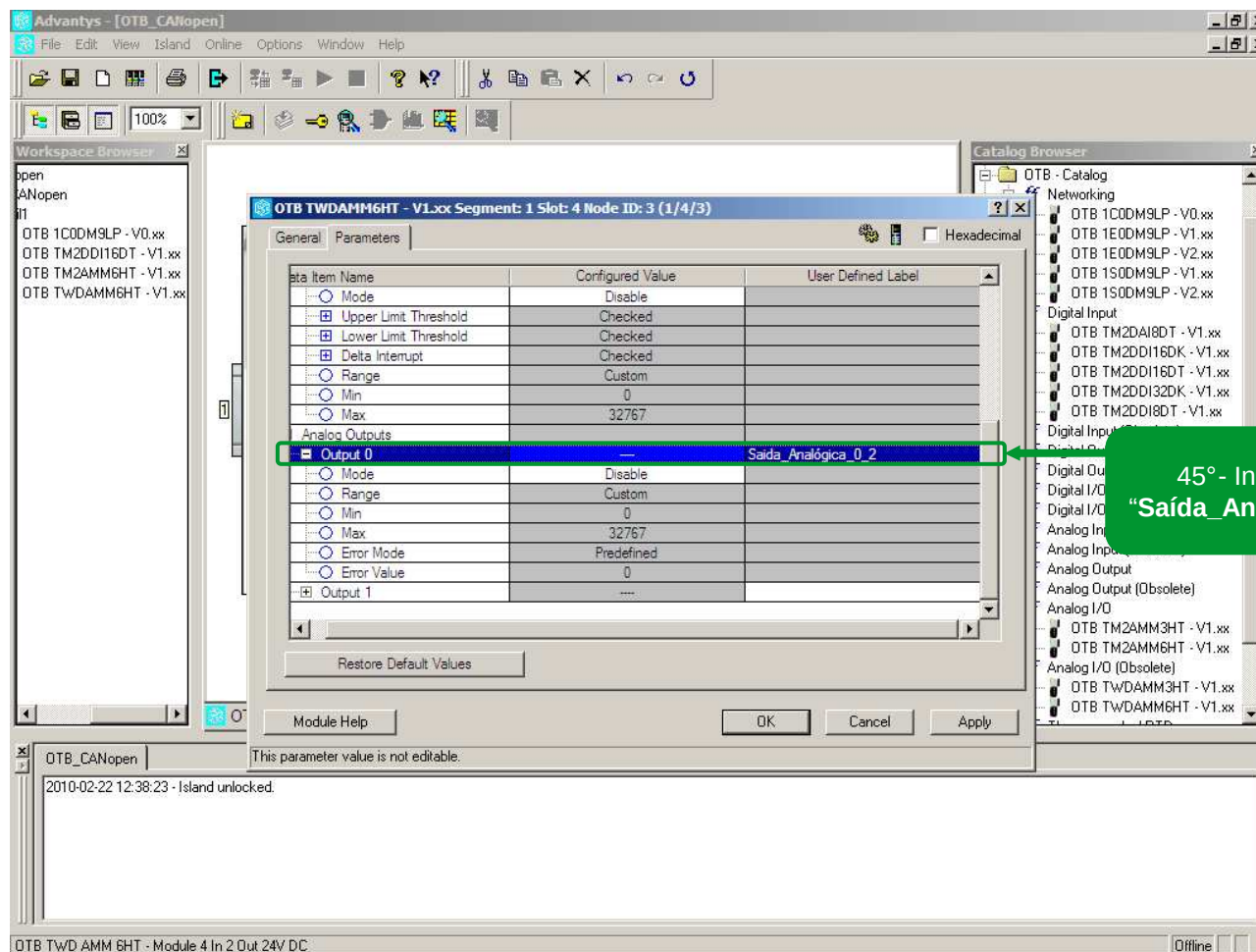
Configuração Advantys - OTB



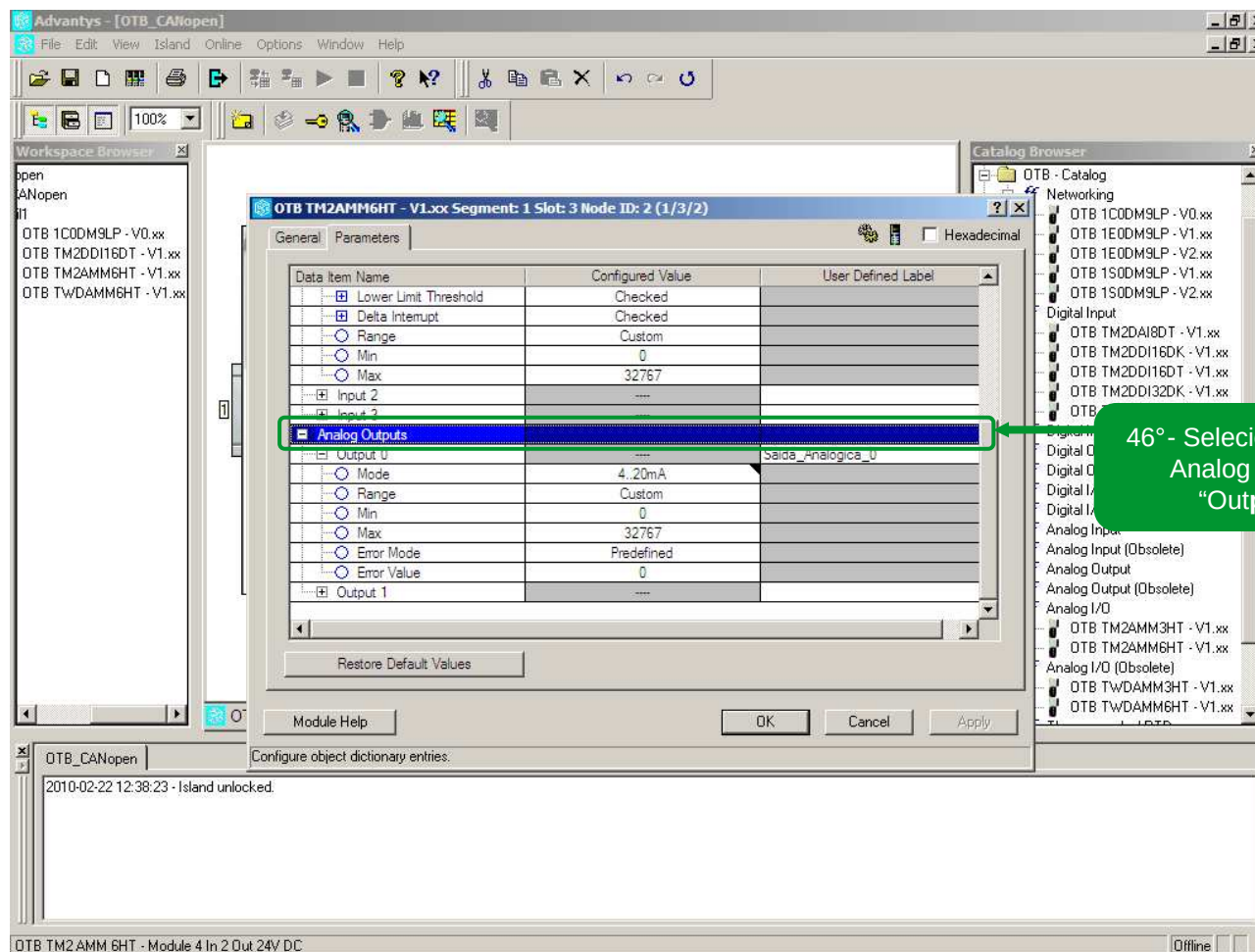
Configuração Advantys - OTB



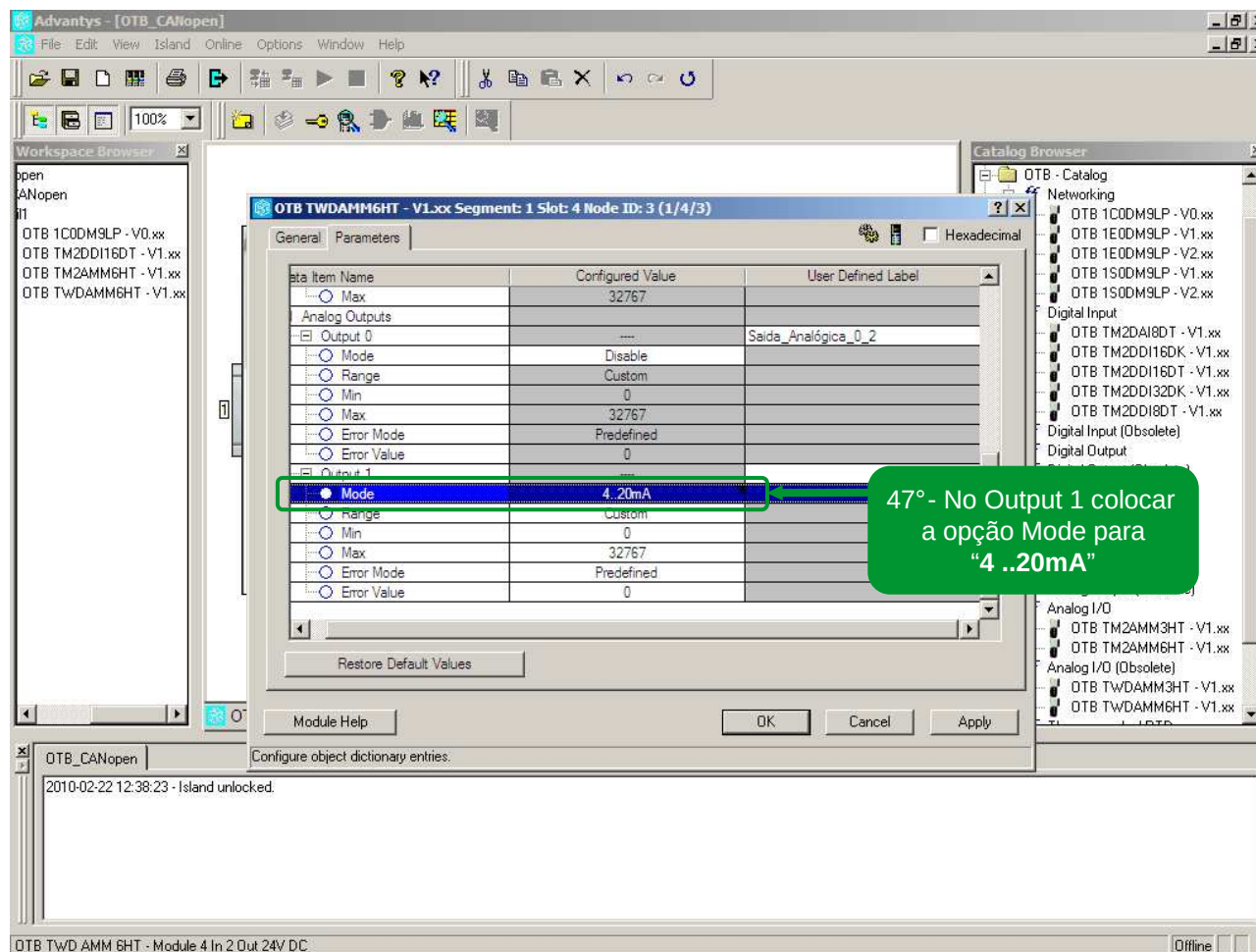
Configuração Advantys - OTB



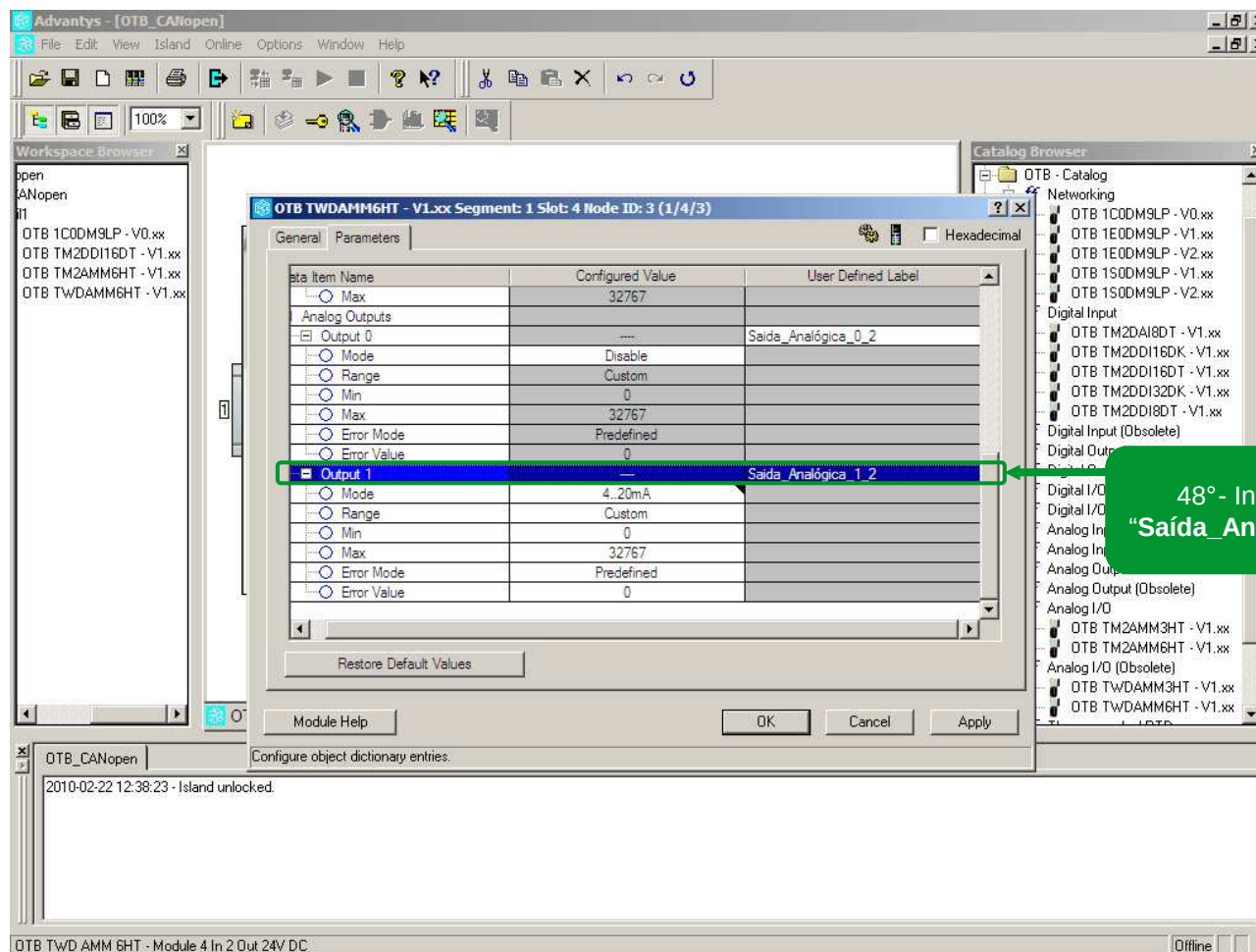
Configuração Advantys - OTB



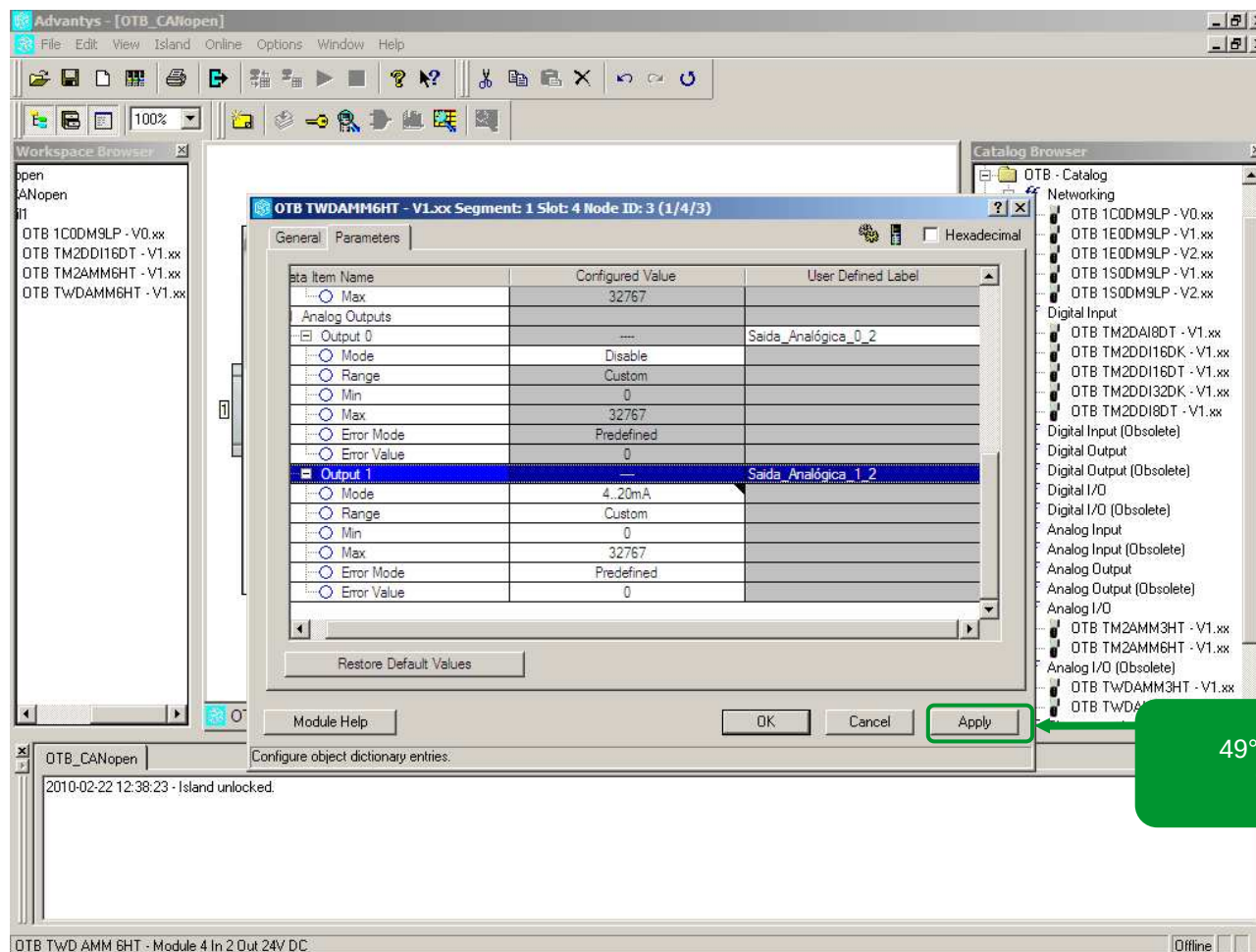
Configuração Advantys - OTB



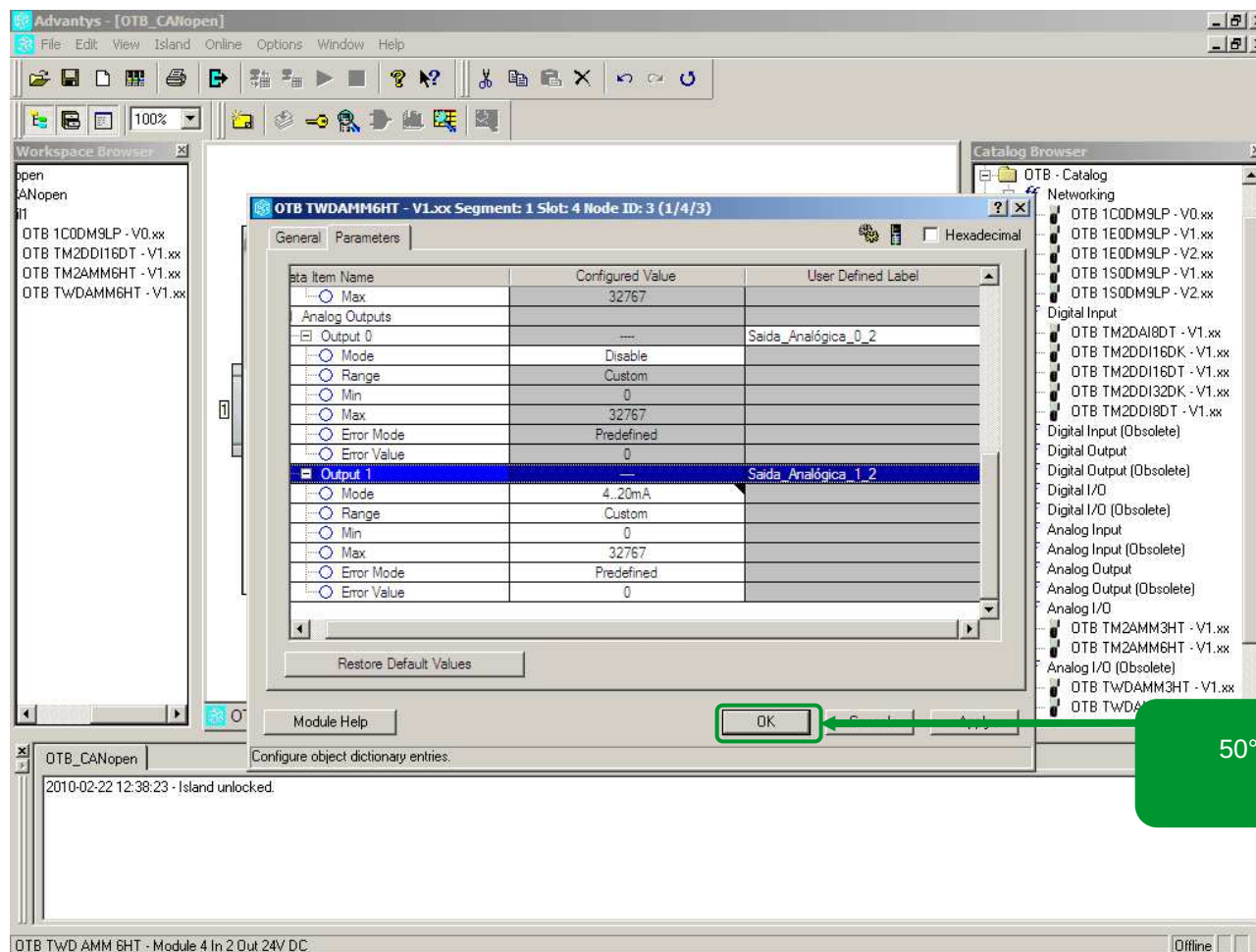
Configuração Advantys - OTB



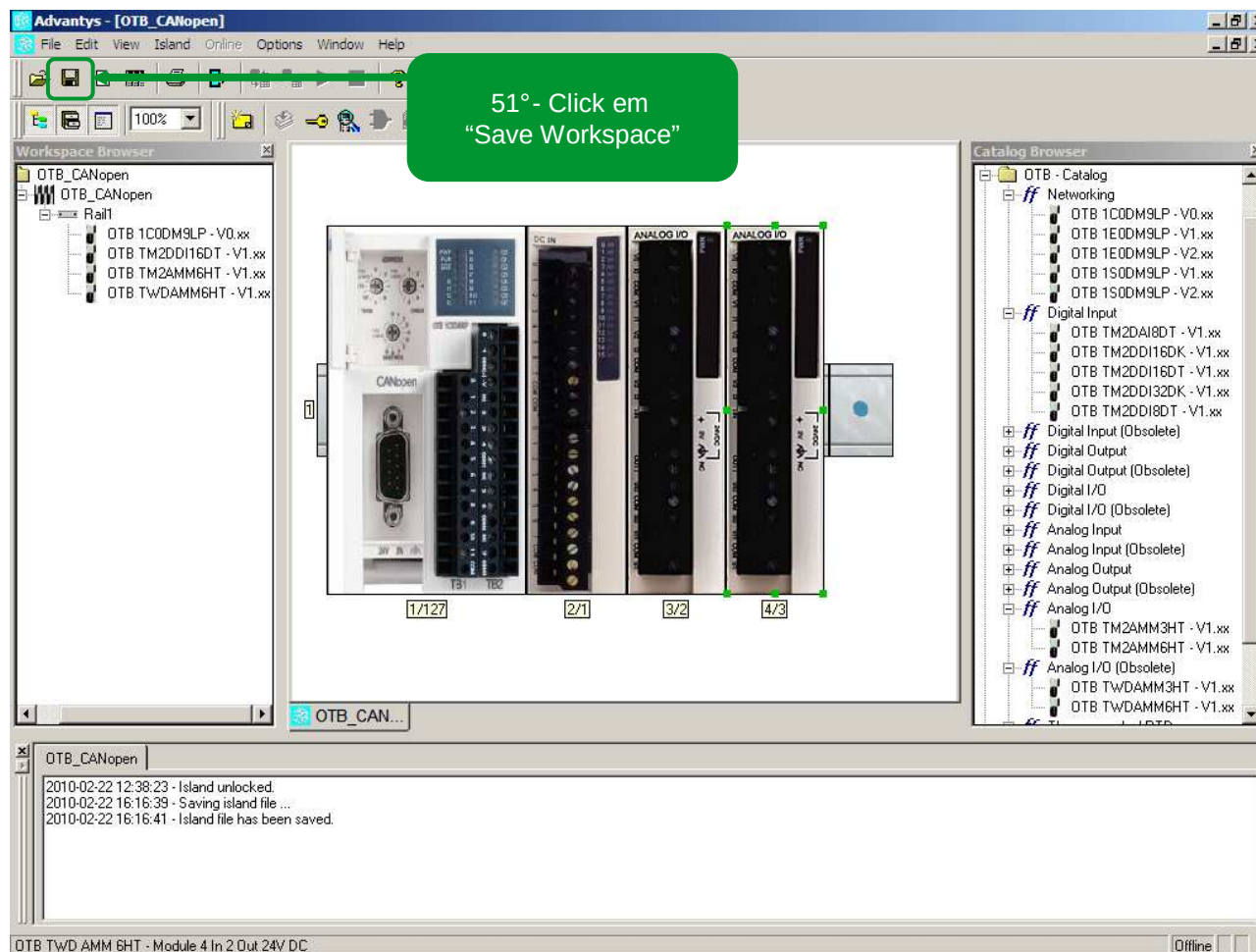
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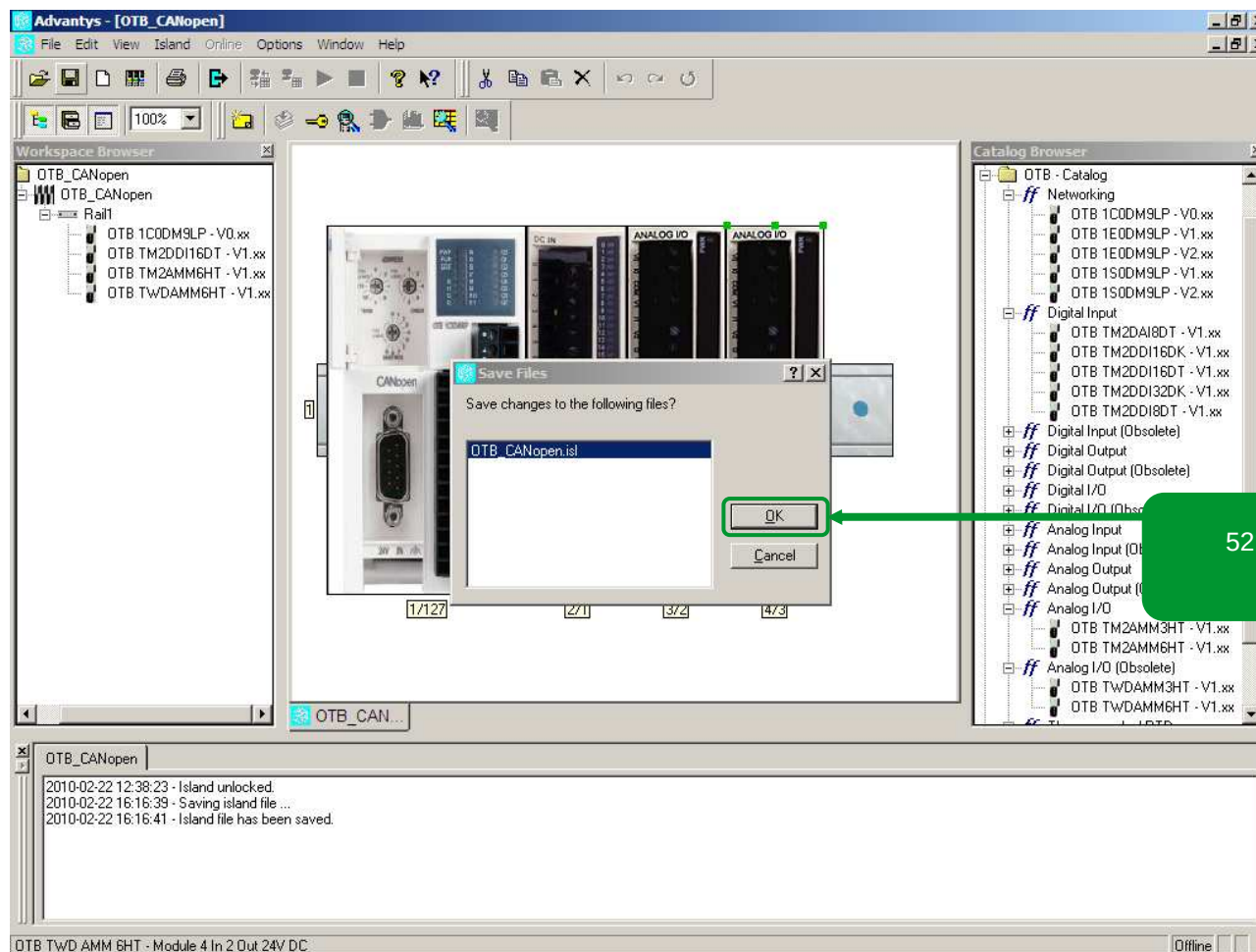
Configuração Advantys - OTB



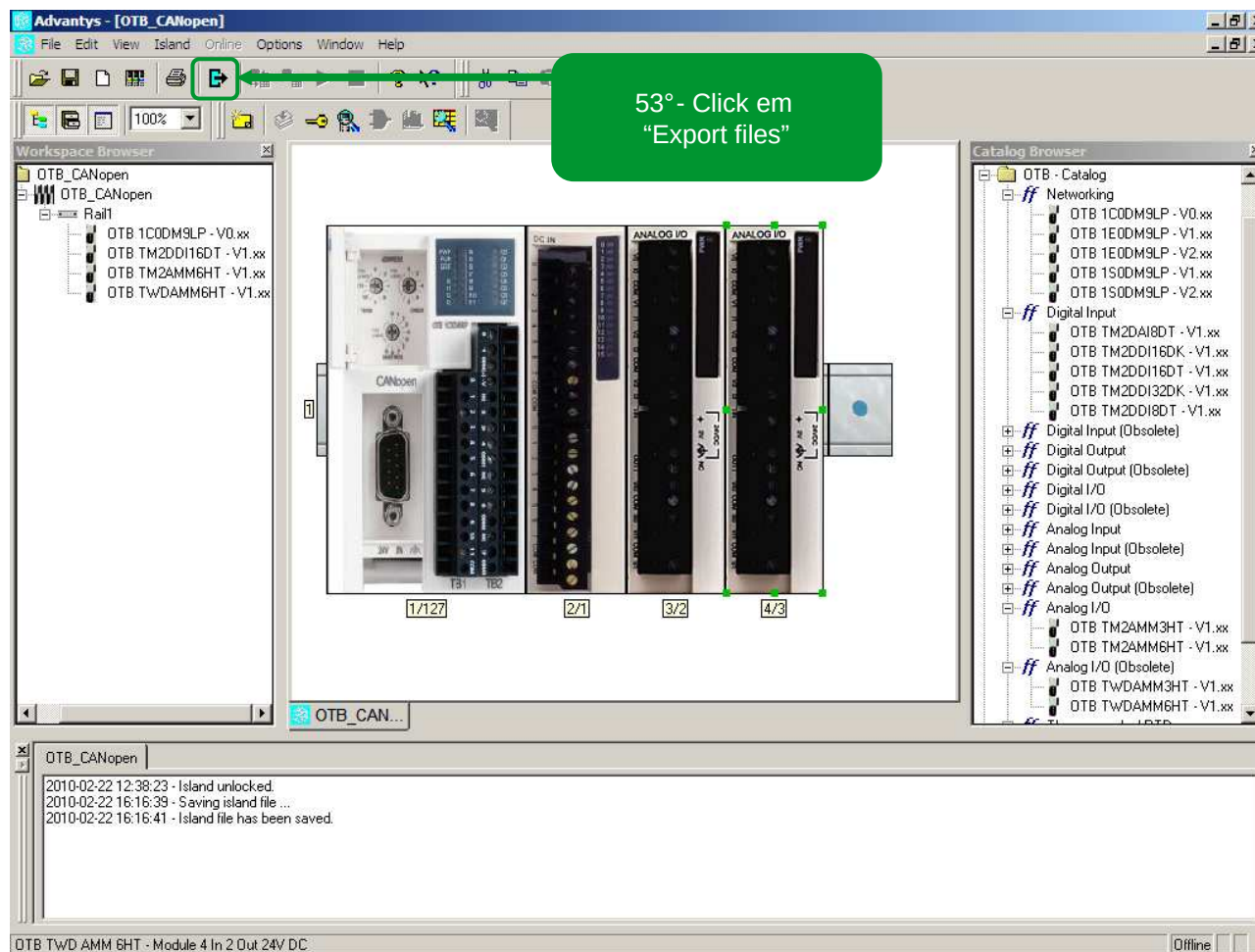
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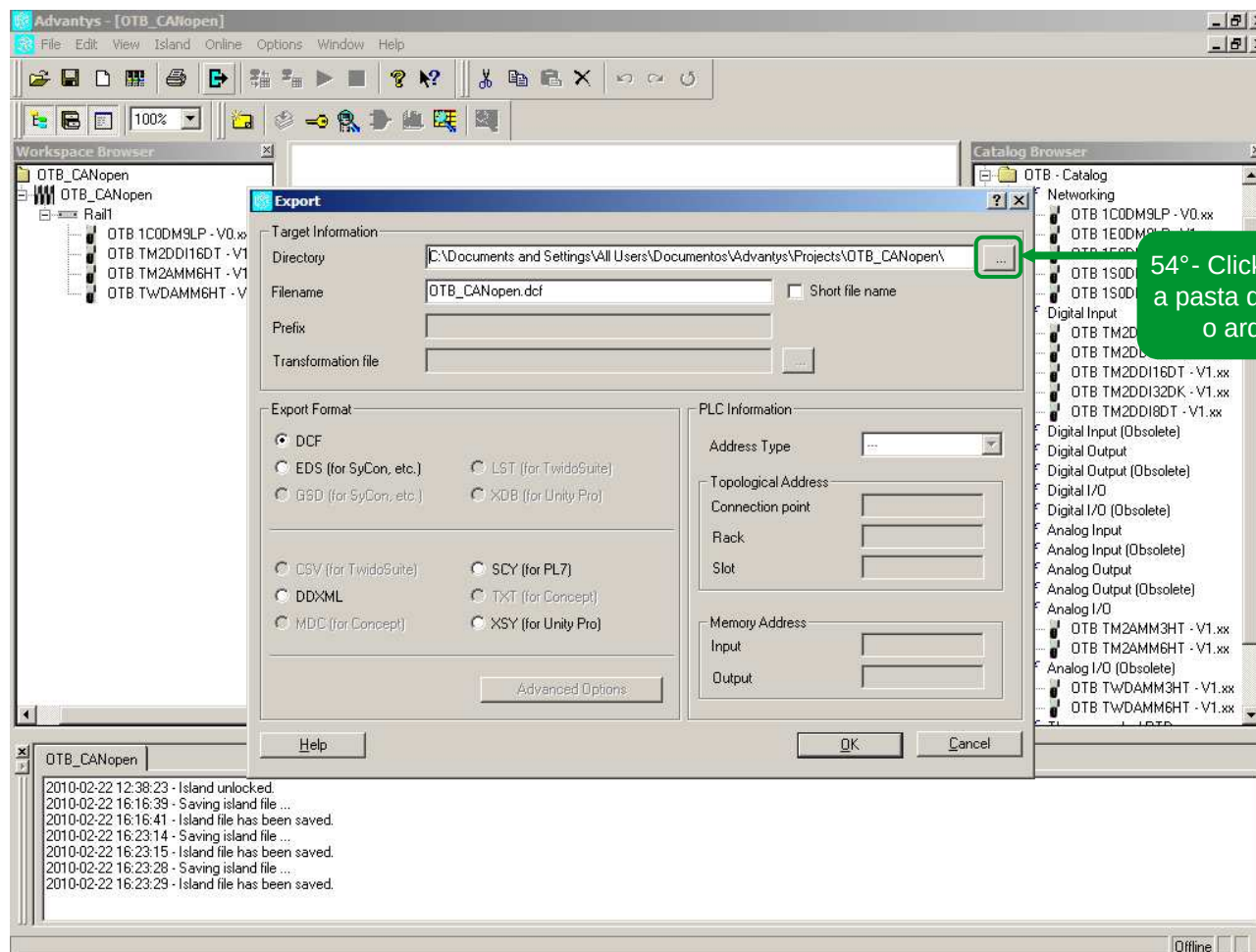
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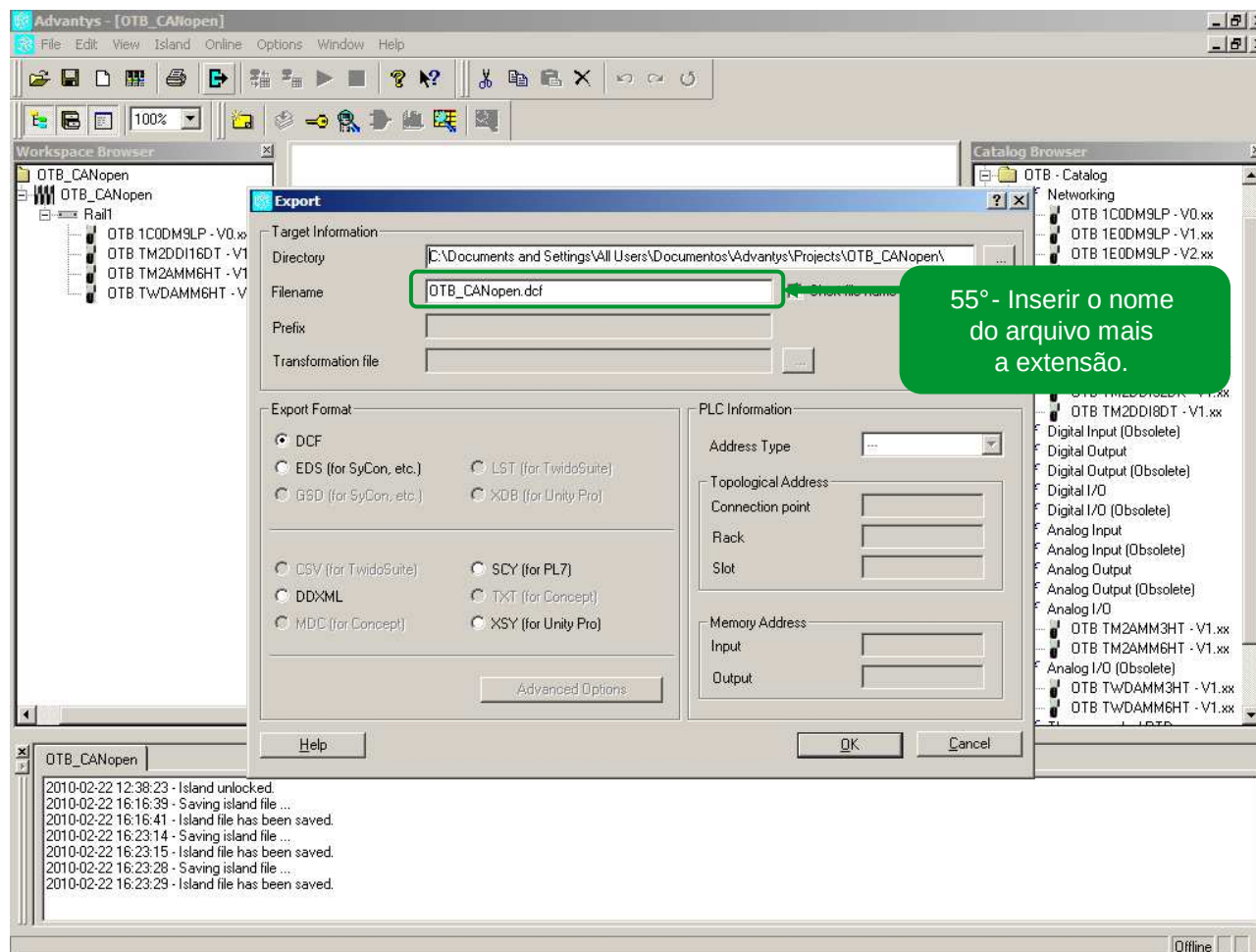
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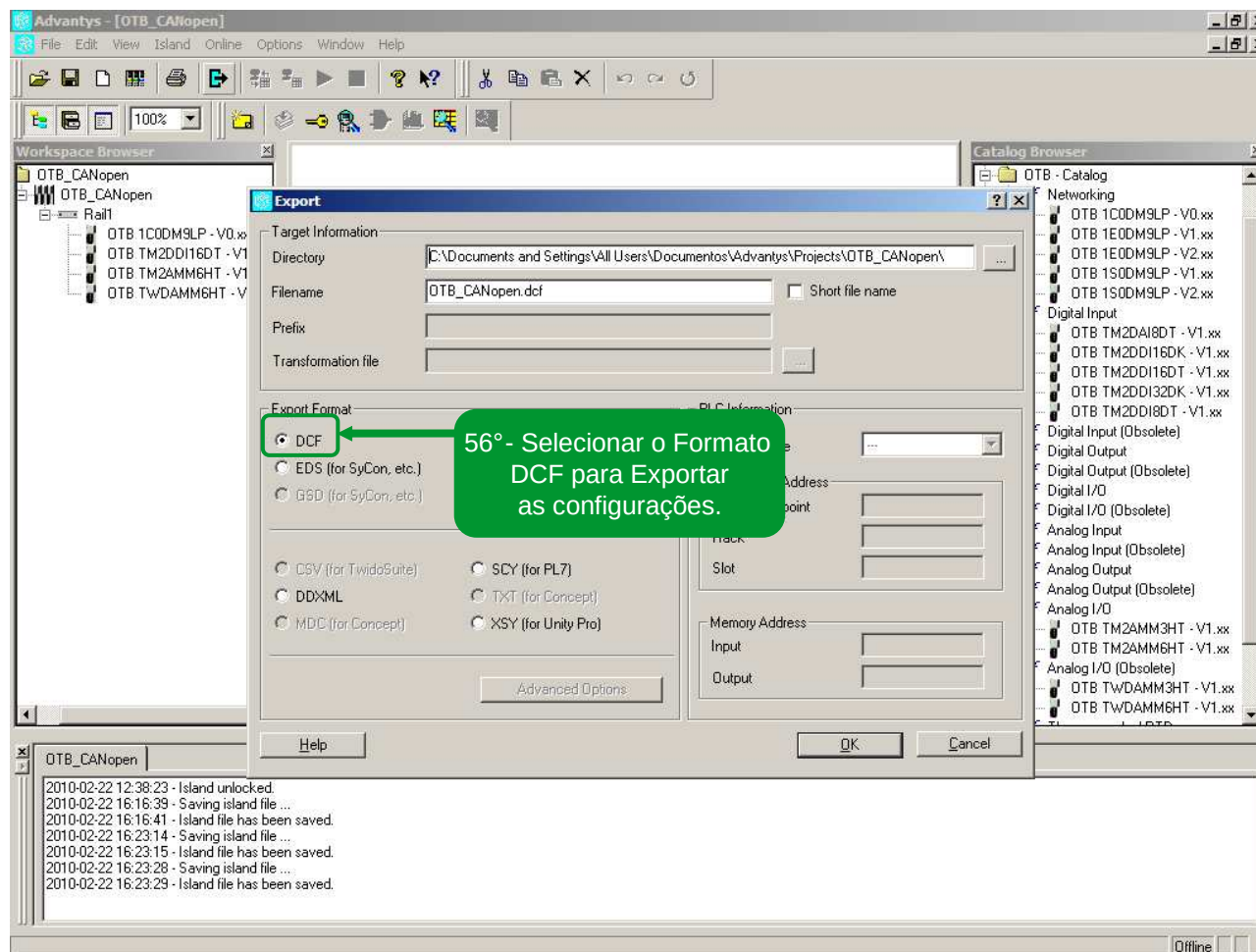
Configuração Advantys - OTB



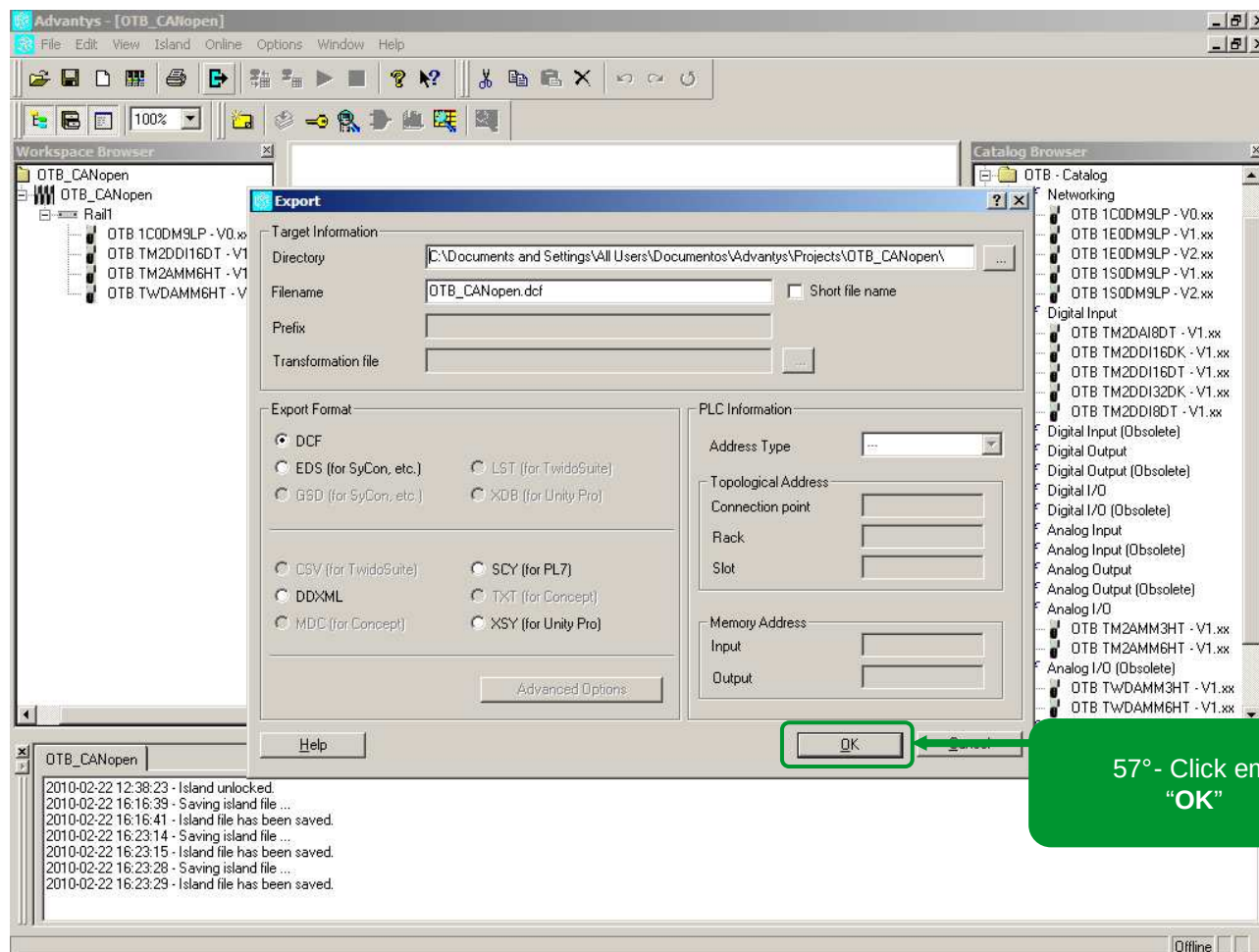
Configuração Advantys - OTB



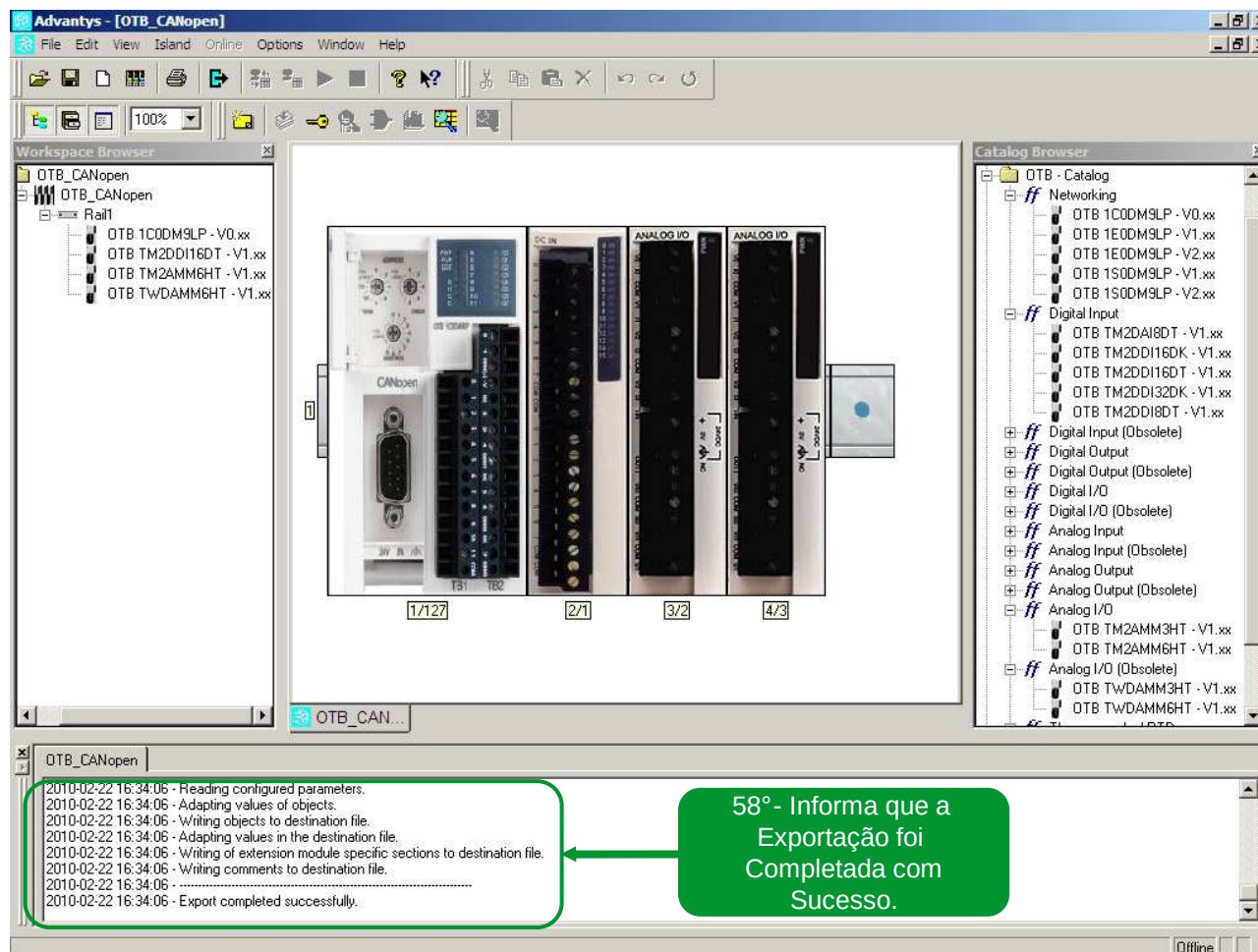
Configuração Advantys - OTB



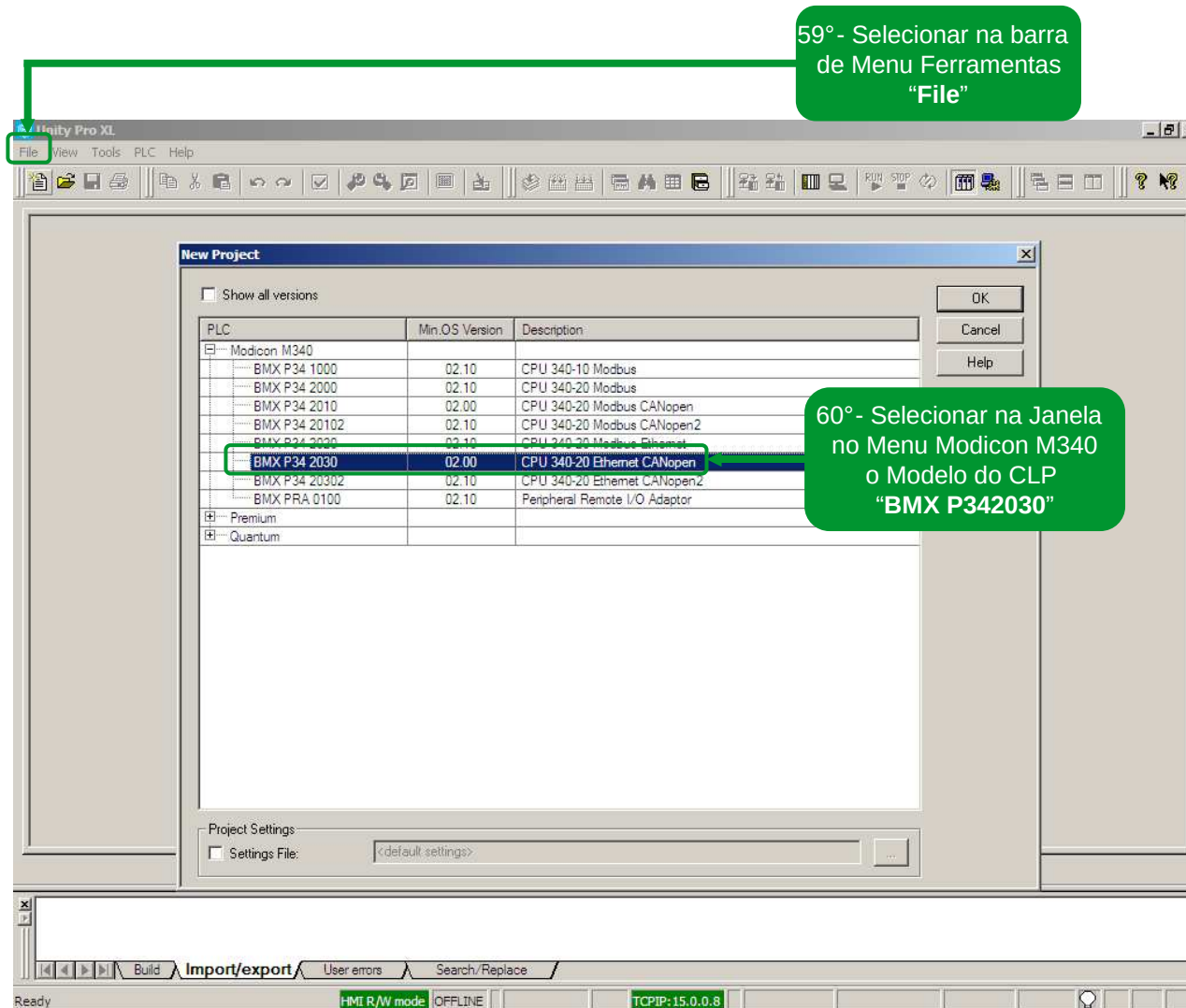
Configuração Advantys - OTB



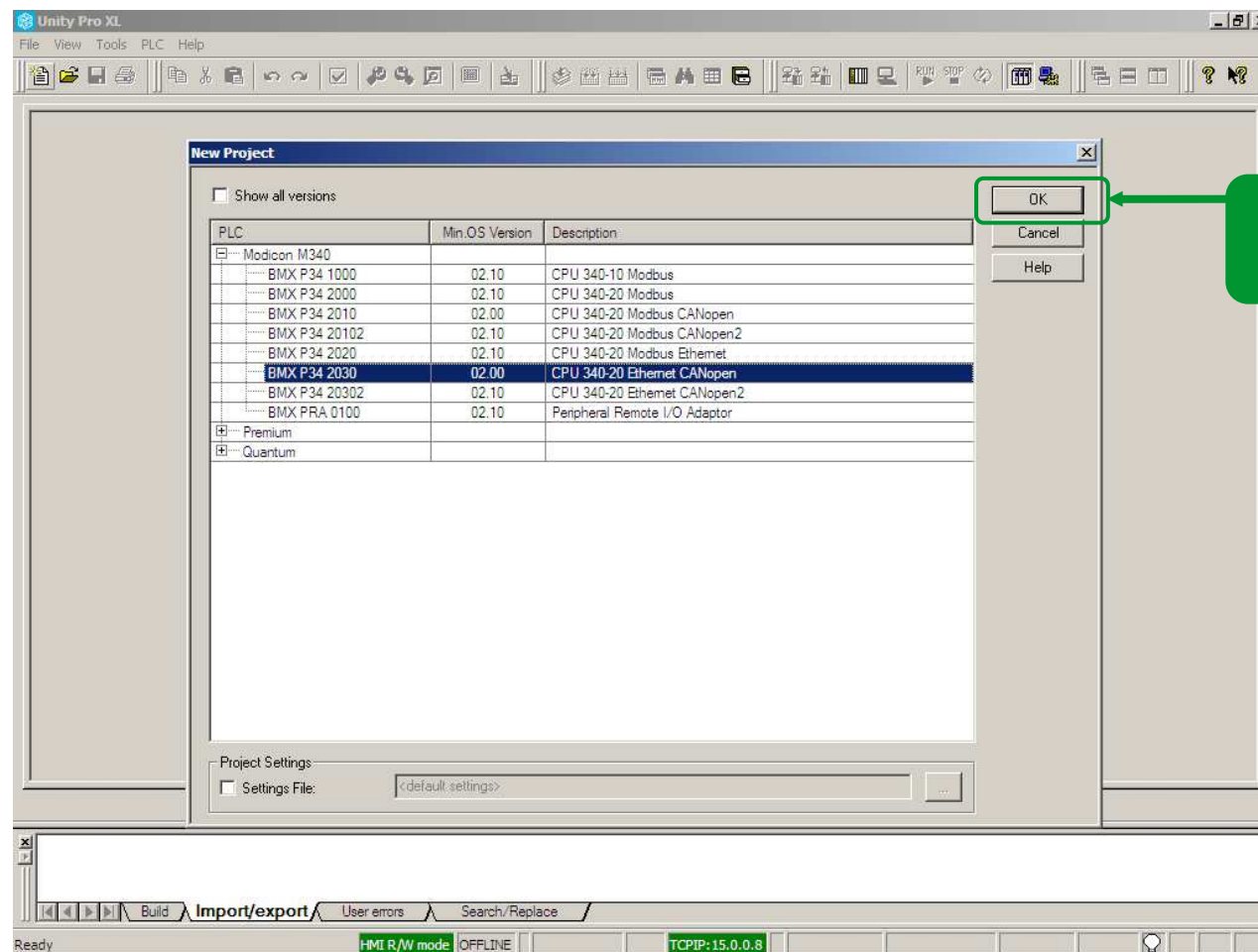
Configuração Advantys - OTB



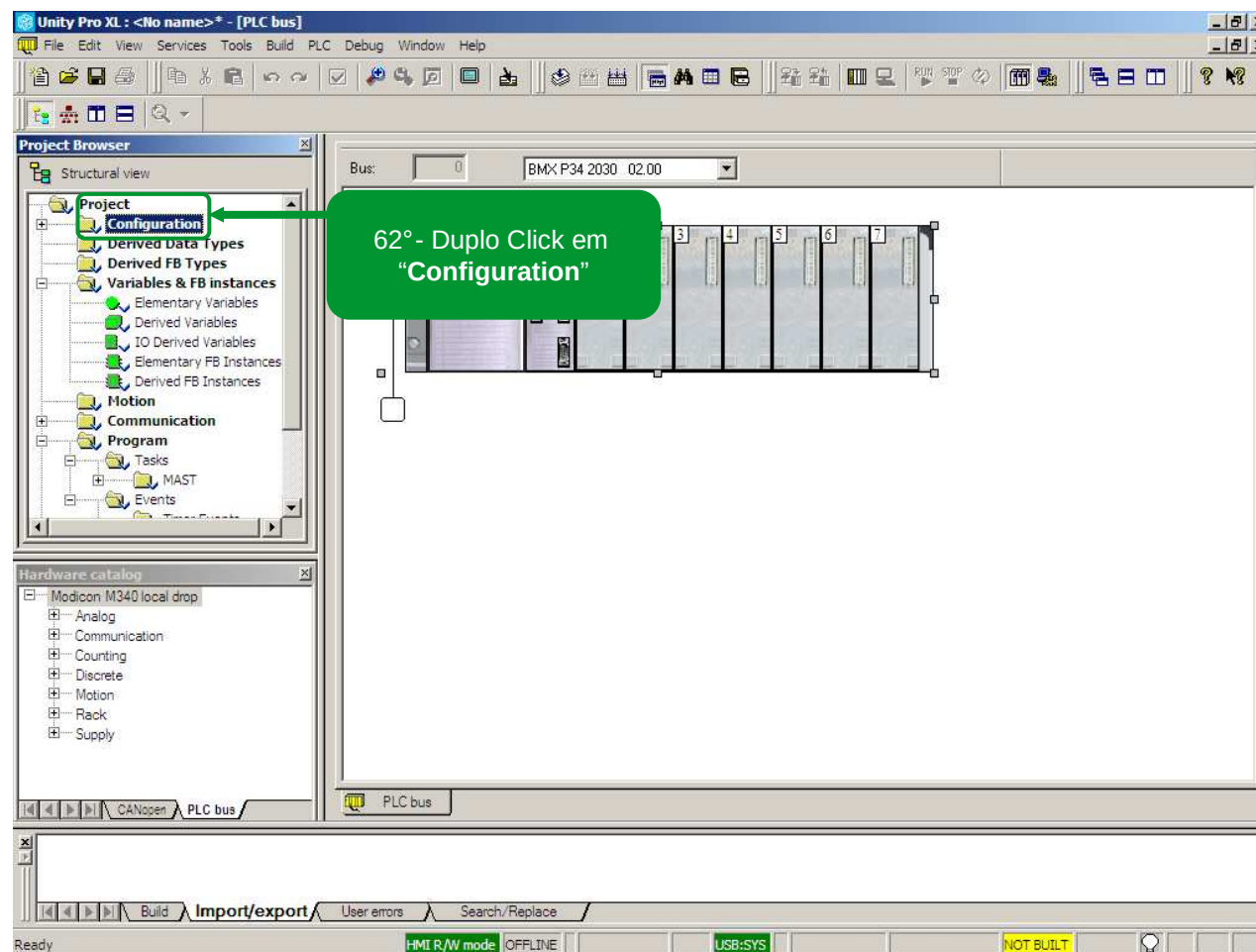
Configuração Unity Pro XL – M340



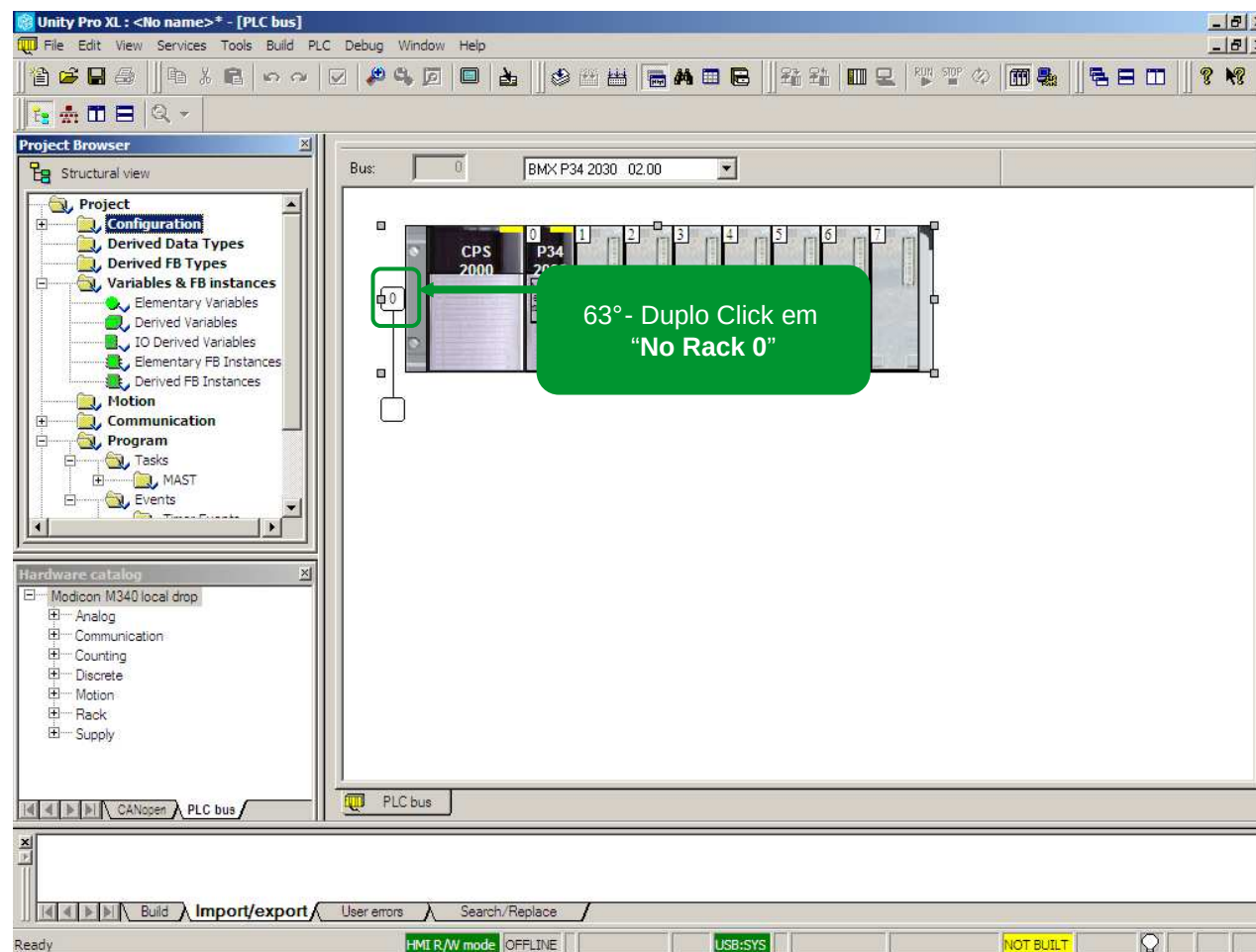
Configuração Unity Pro XL – M340



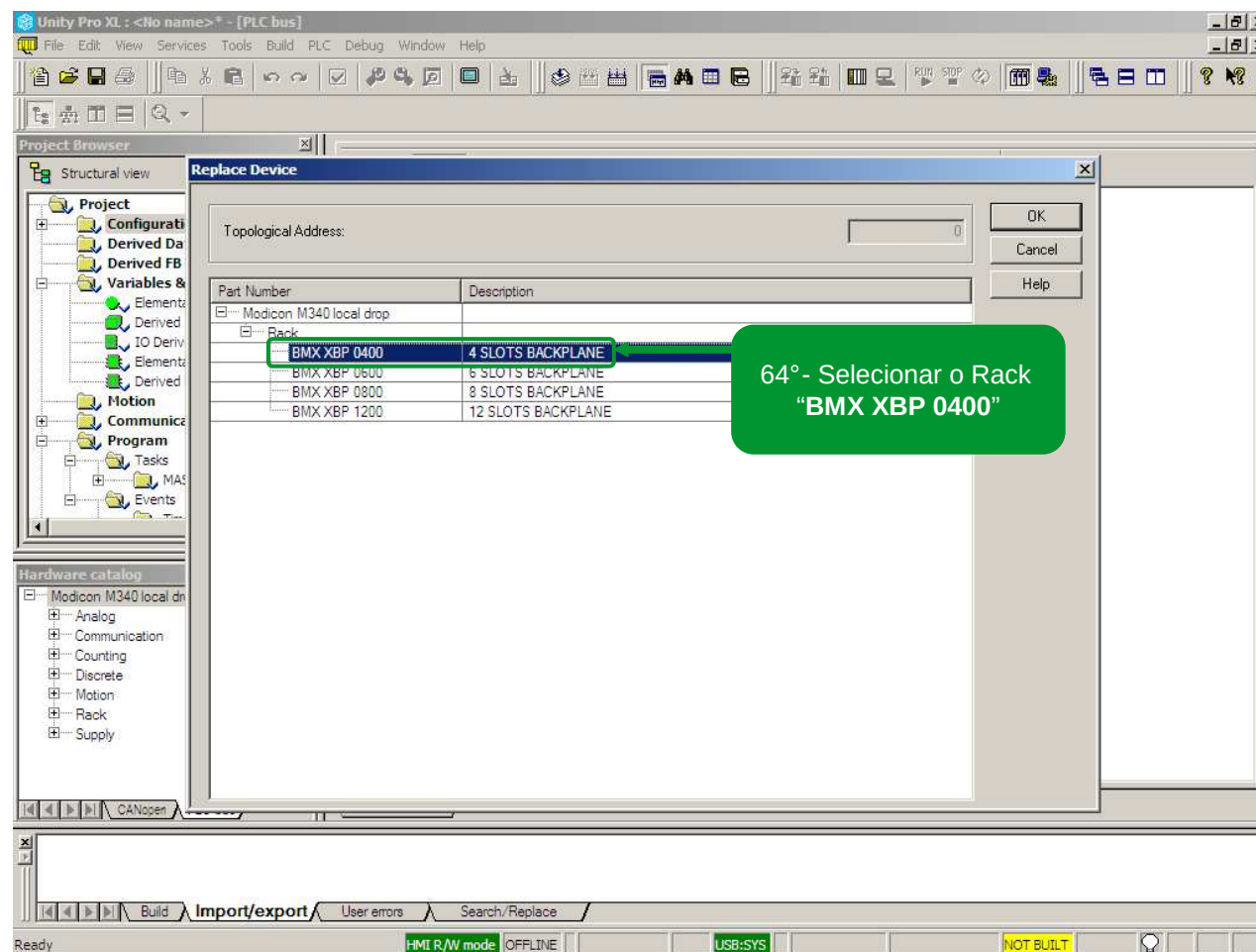
Configuração Unity Pro XL – M340



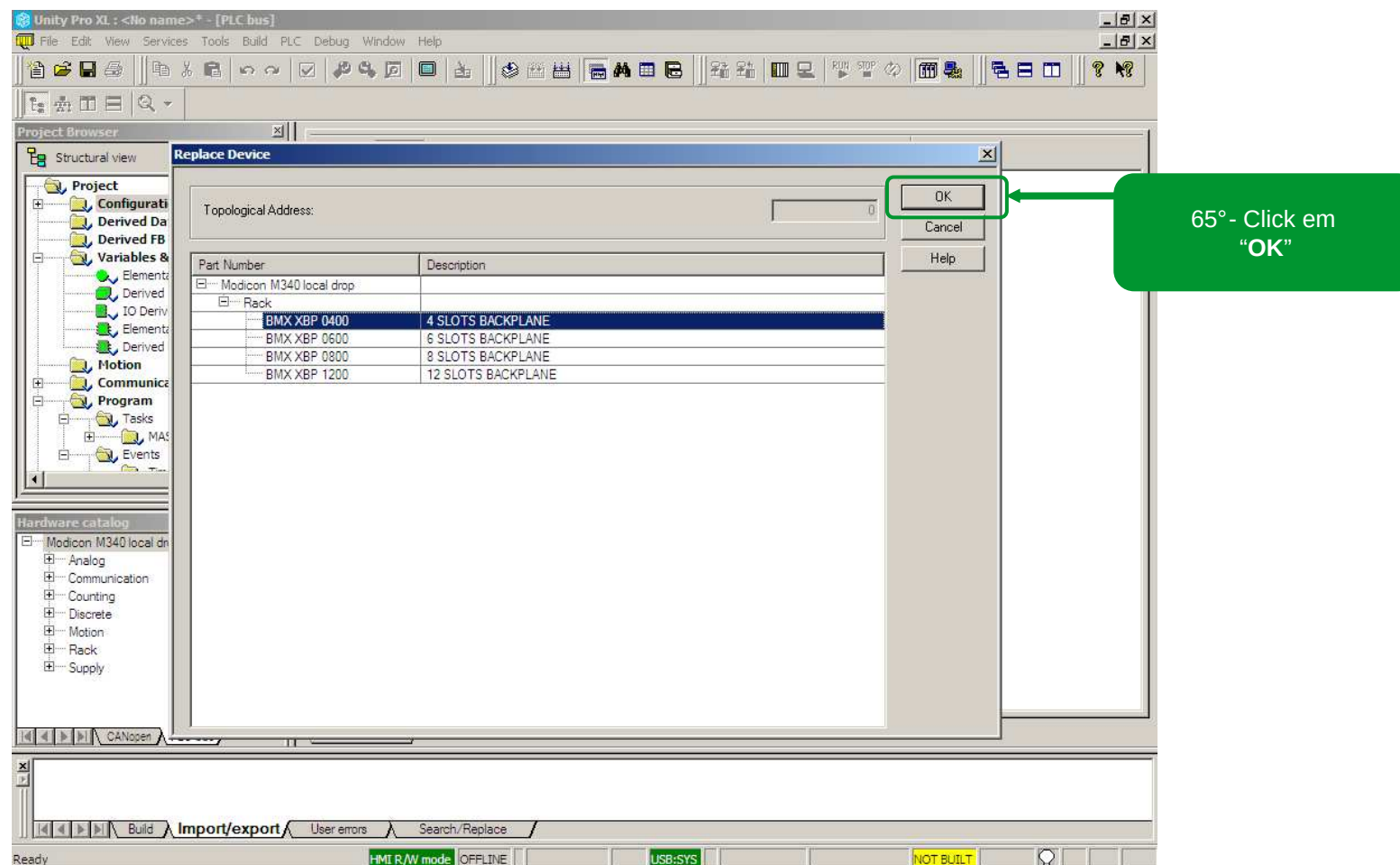
Configuração Unity Pro XL – M340



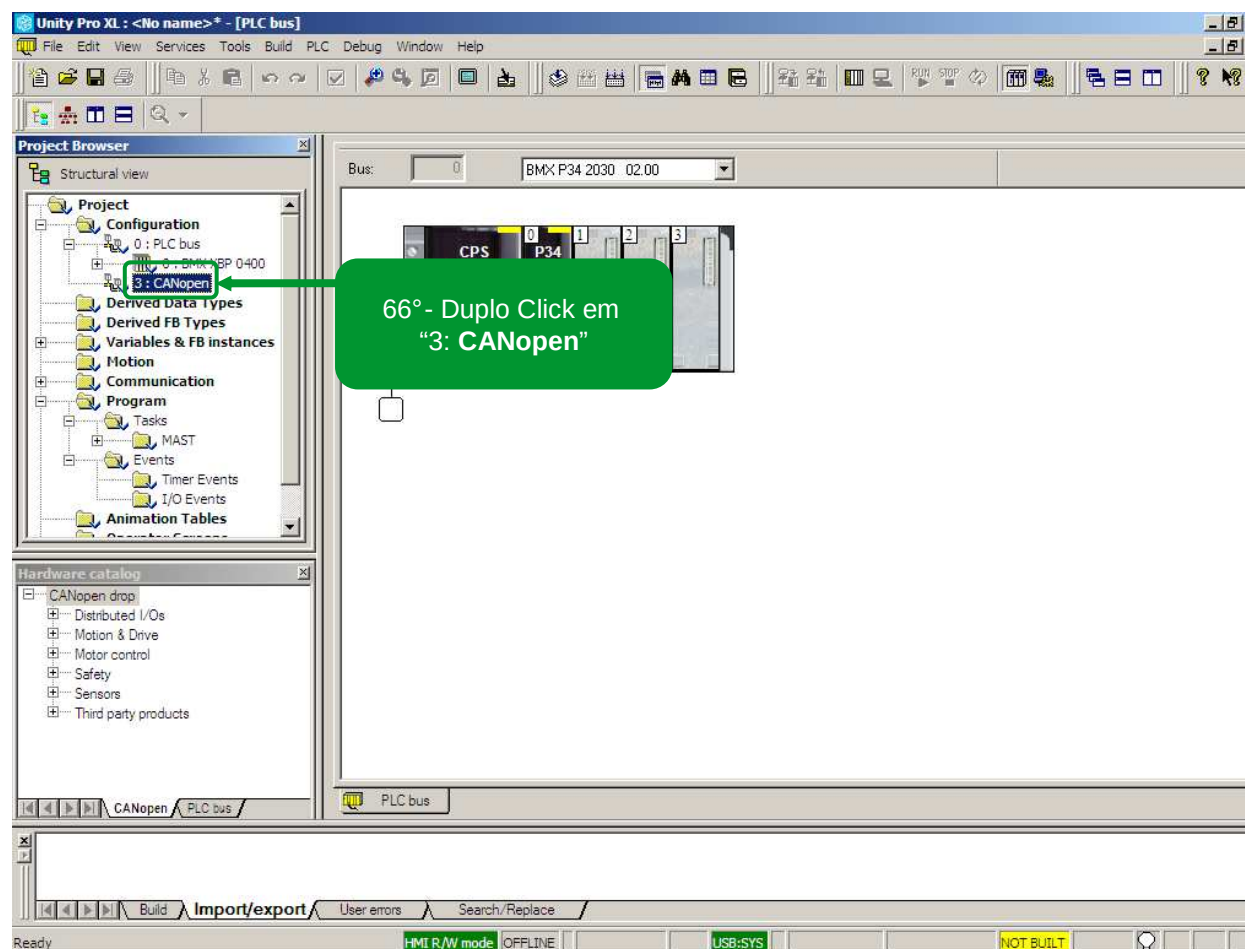
Configuração Unity Pro XL – M340



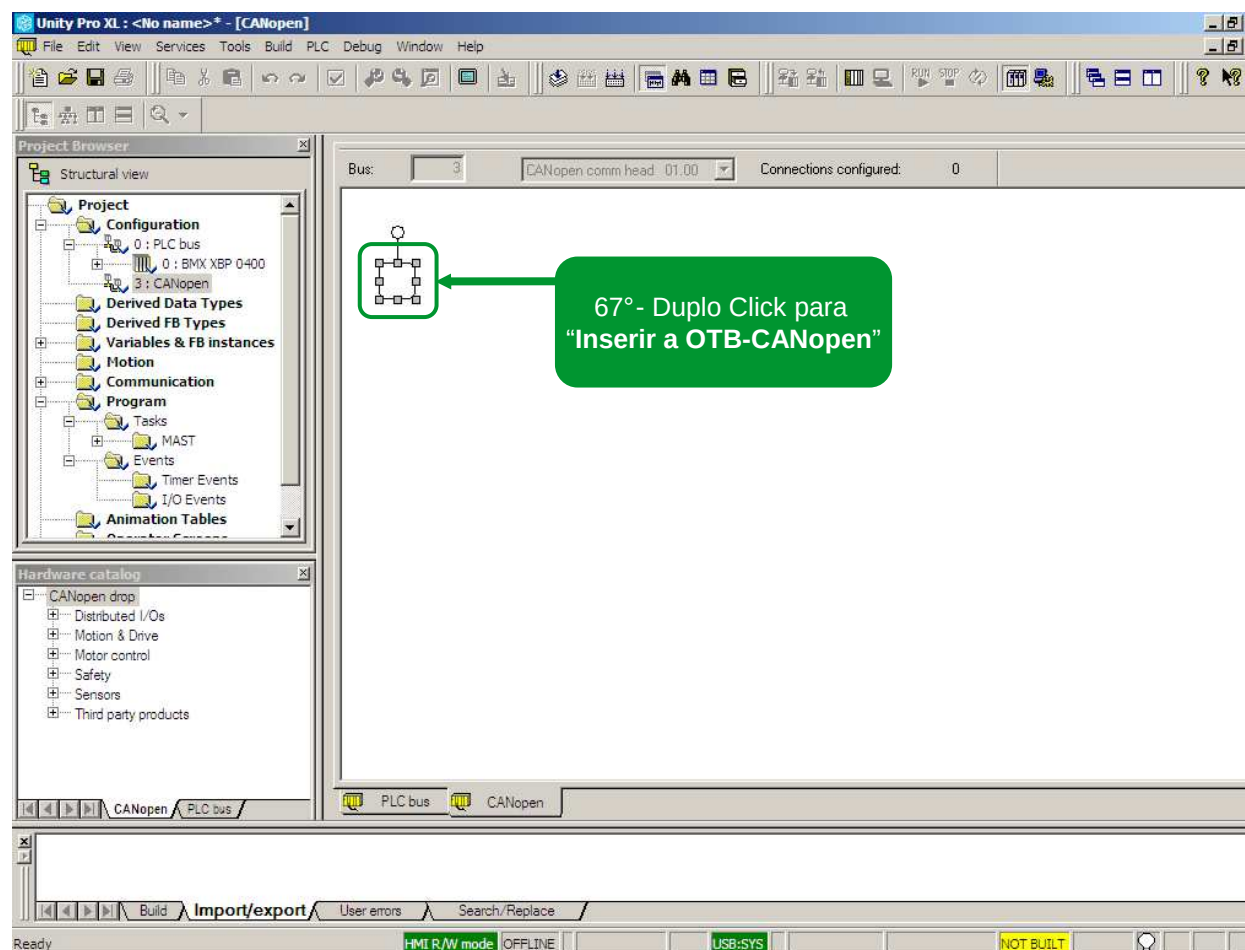
Configuração Unity Pro XL – M340



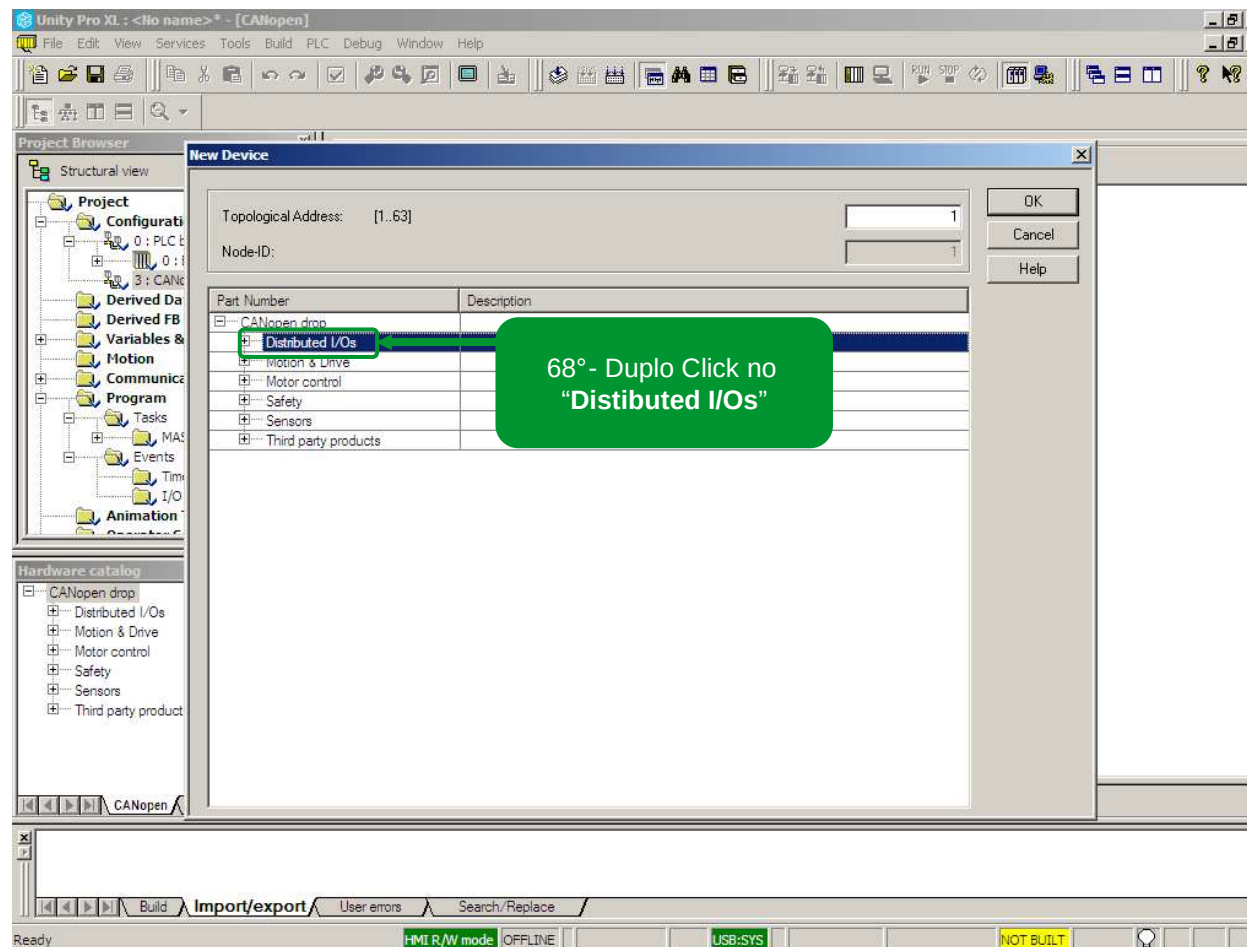
Configuração Unity Pro XL – M340



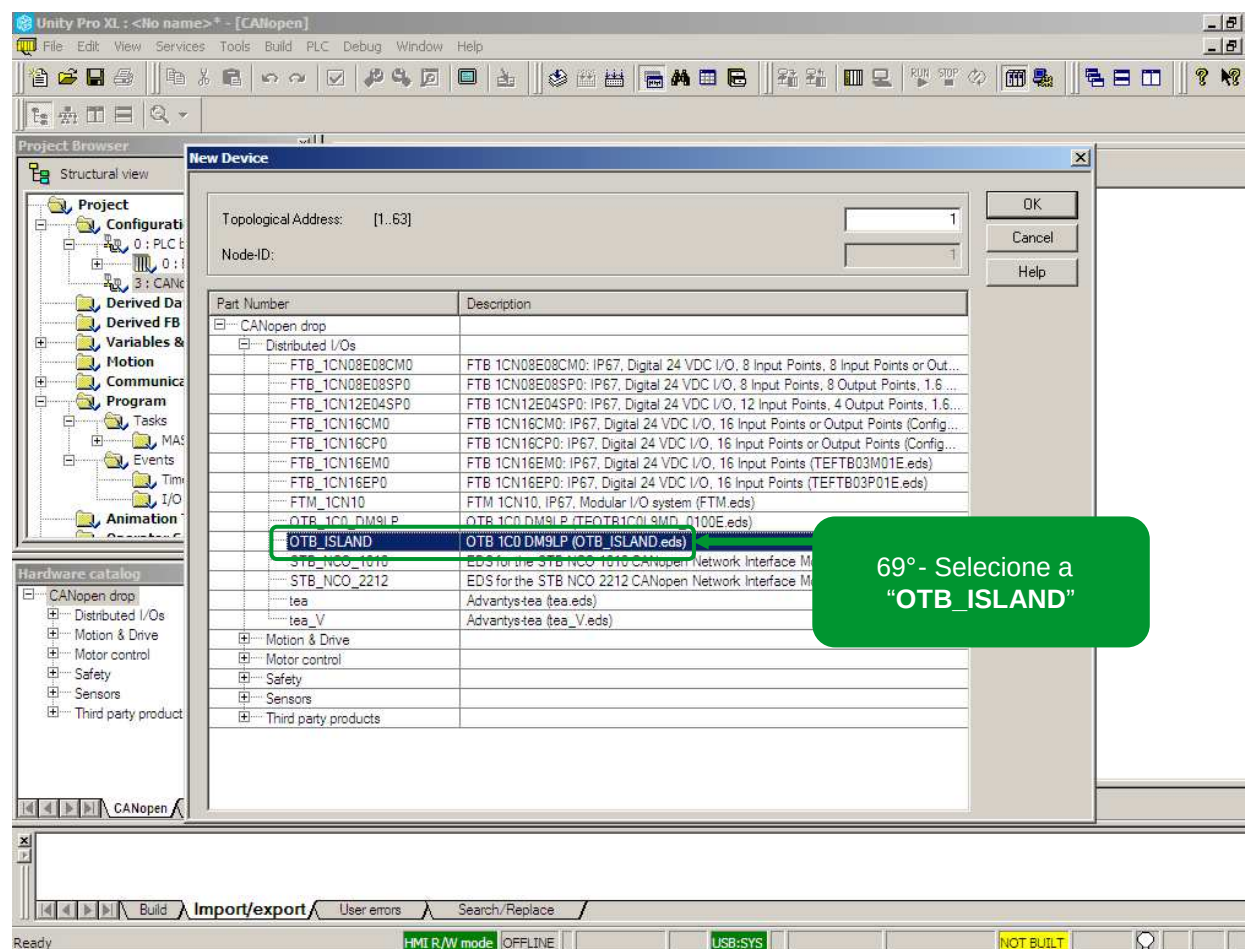
Configuração Unity Pro XL – M340



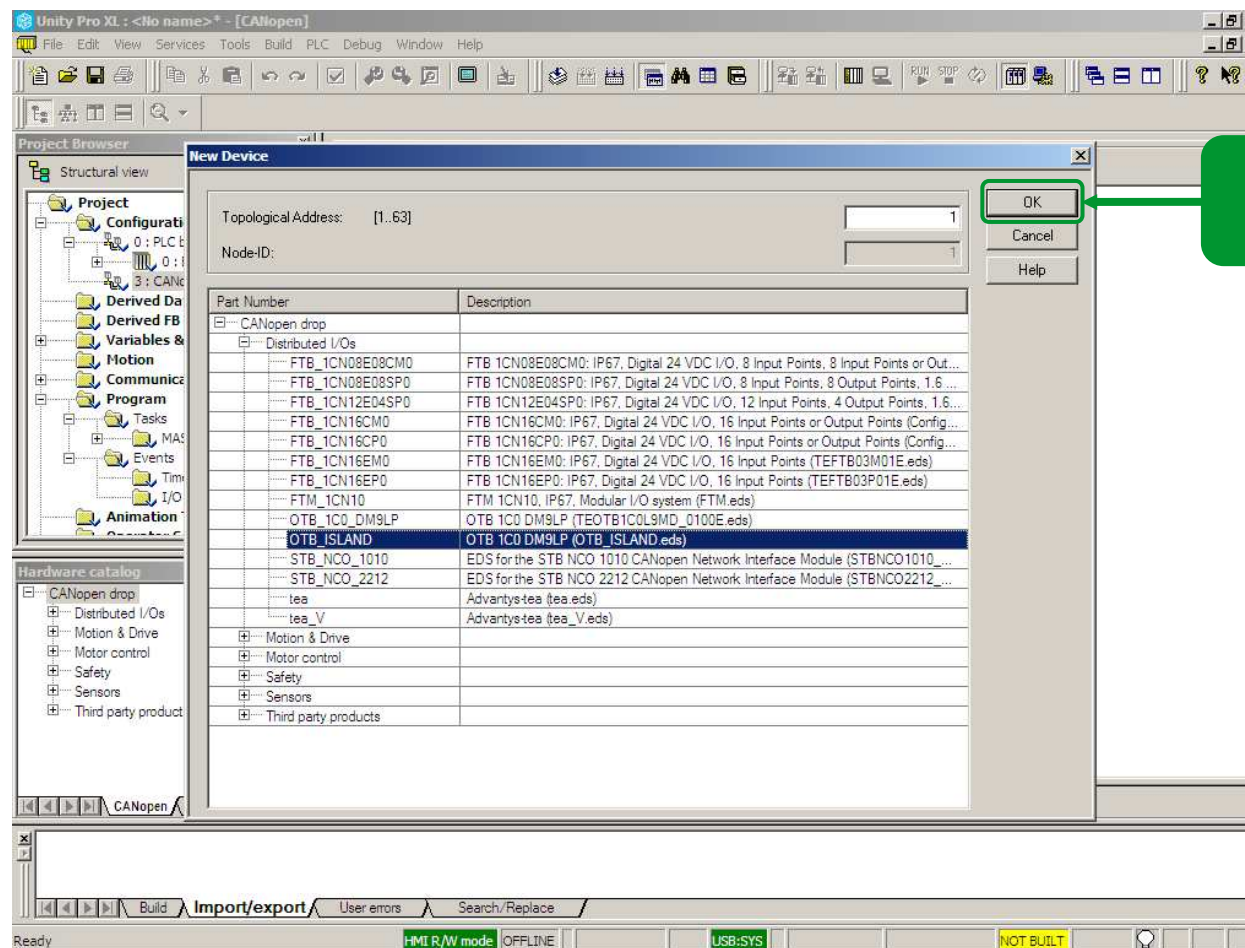
Configuração Unity Pro XL – M340



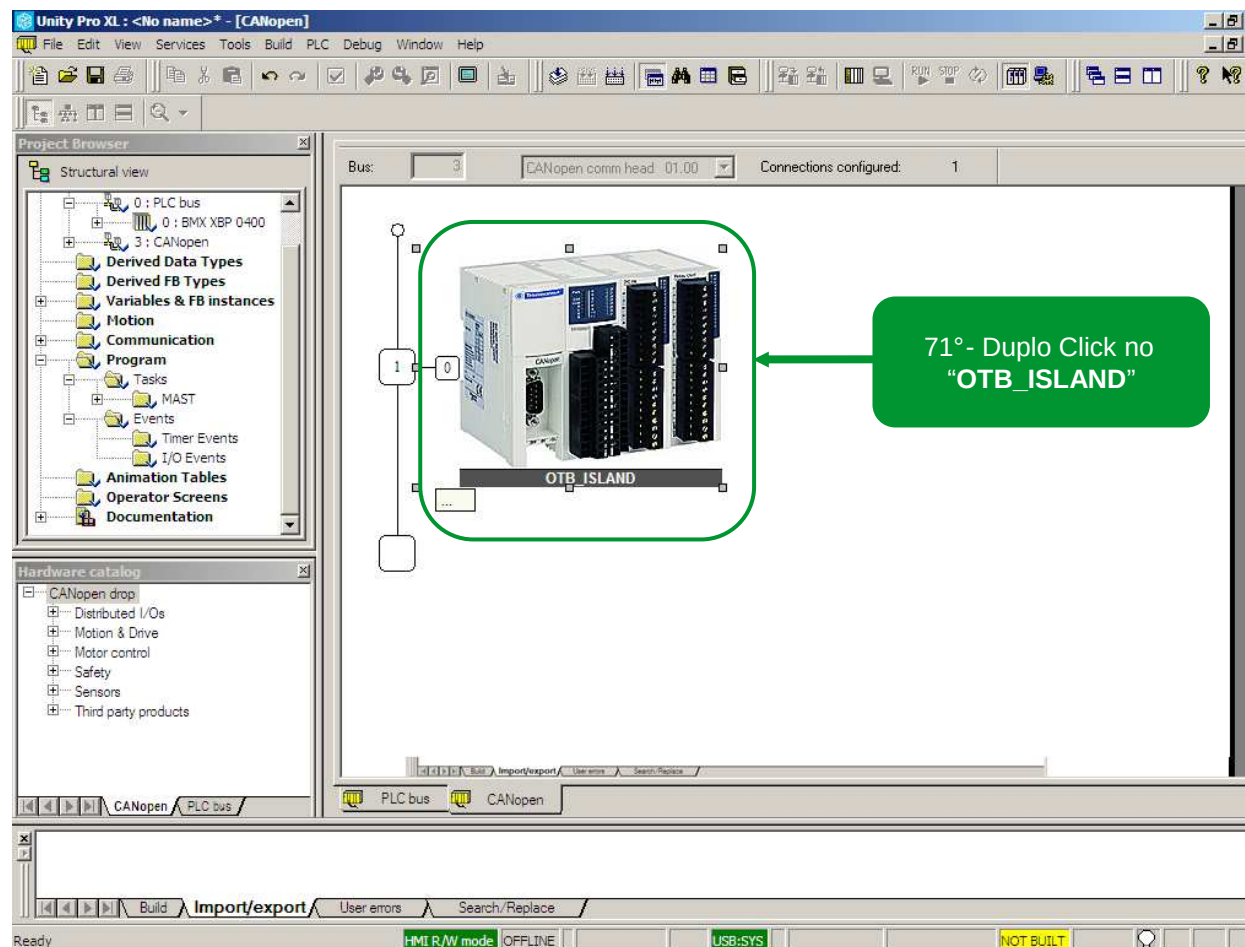
Configuração Unity Pro XL – M340



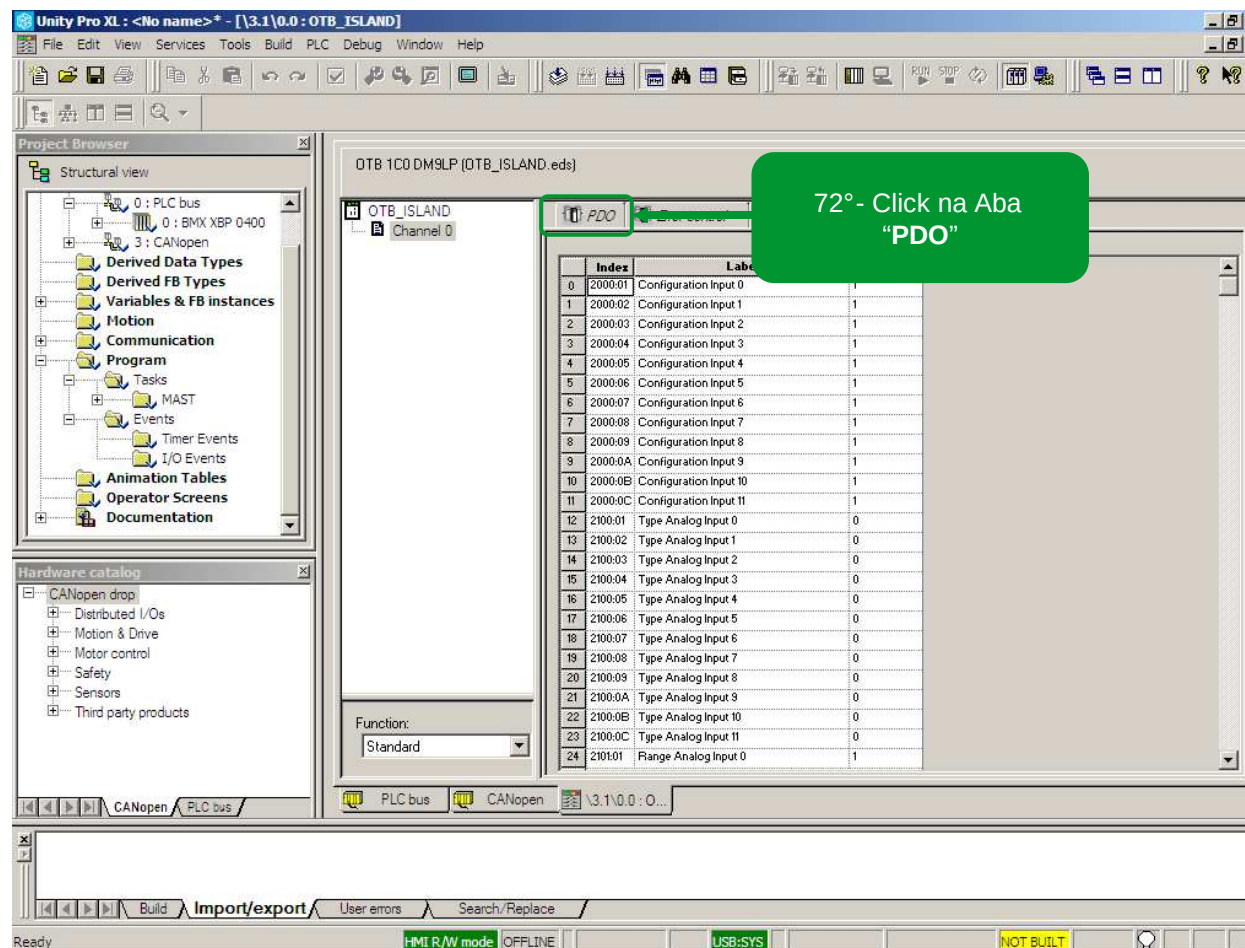
Configuração Unity Pro XL – M340



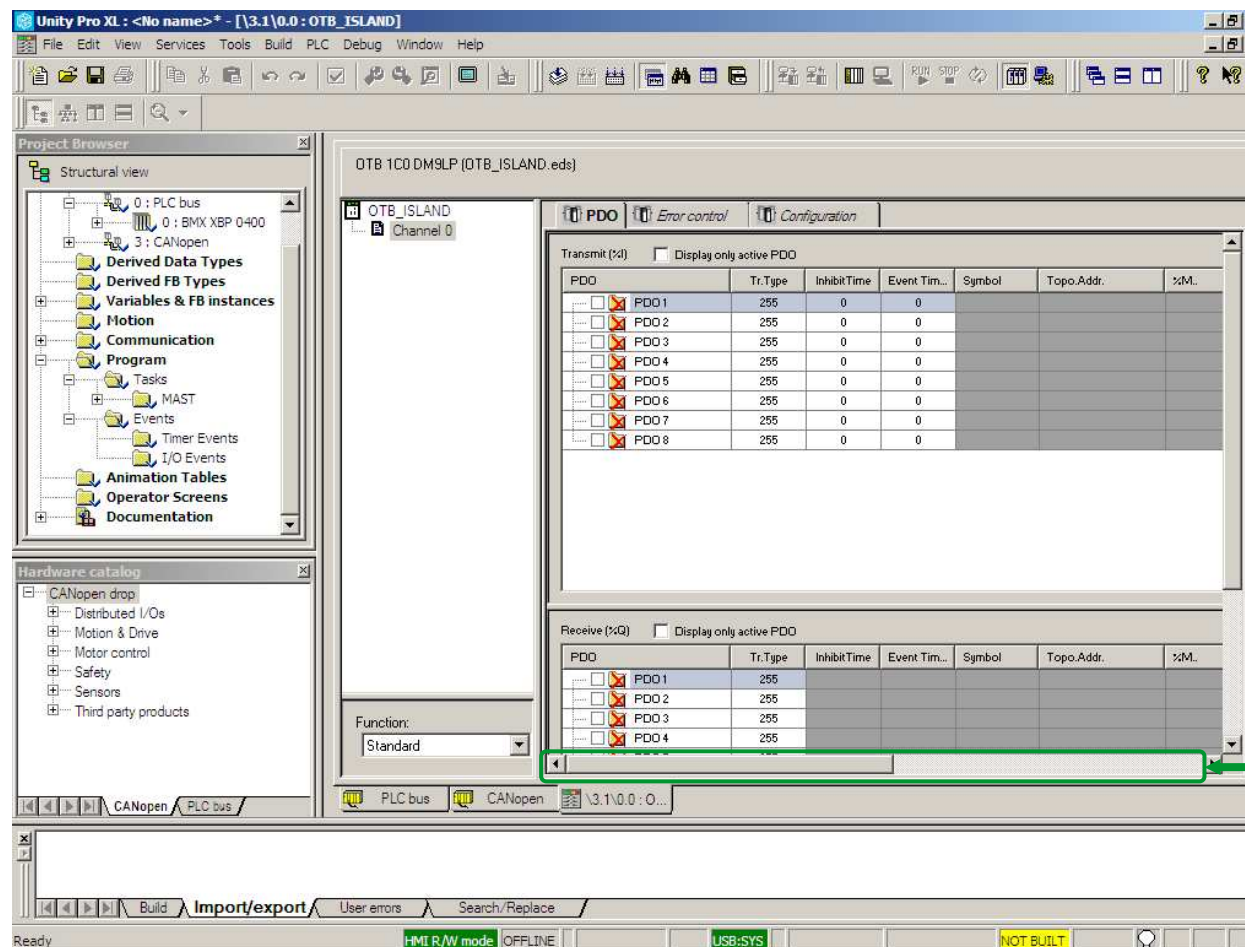
Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340

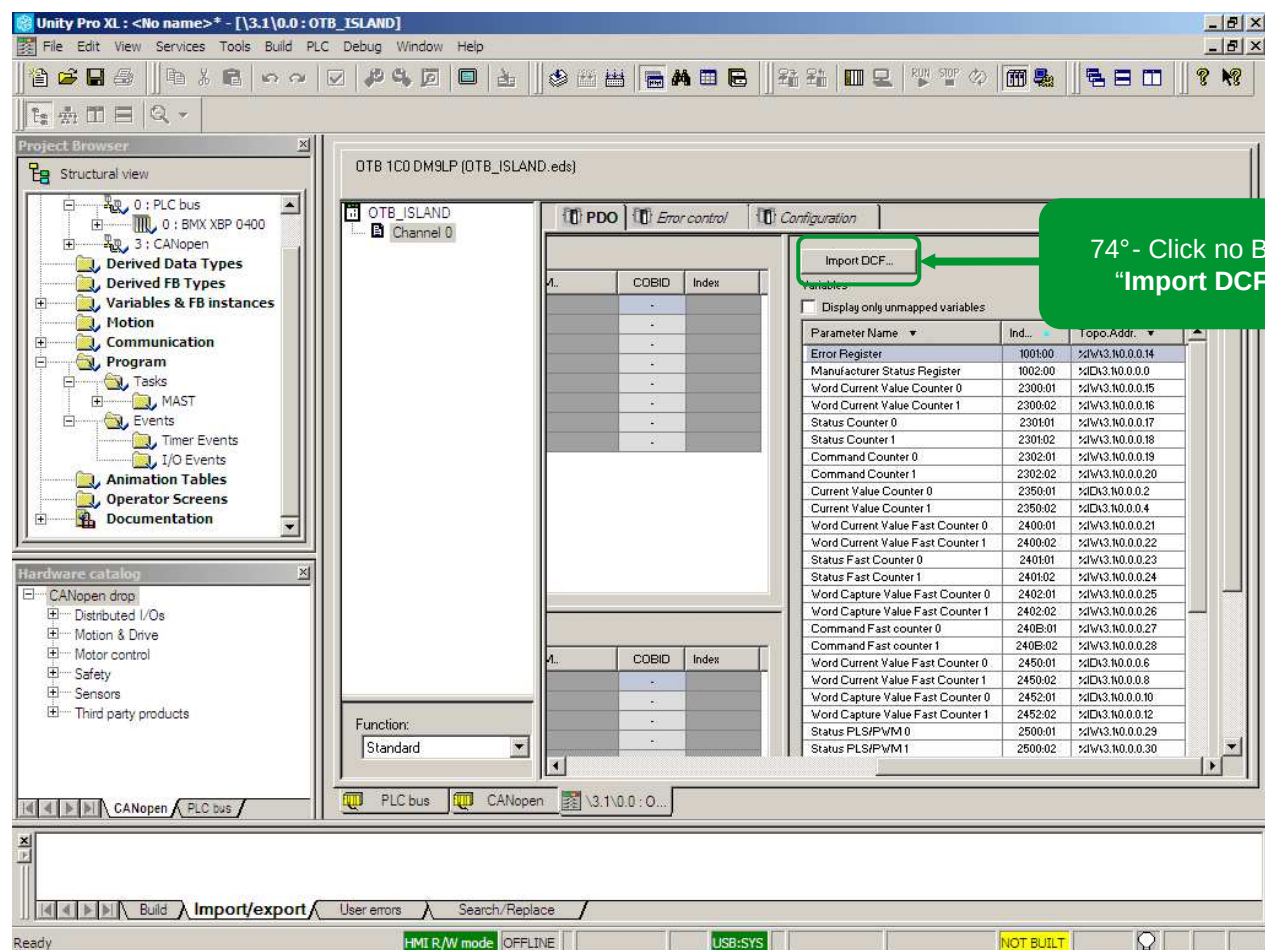


Configuração Unity Pro XL – M340

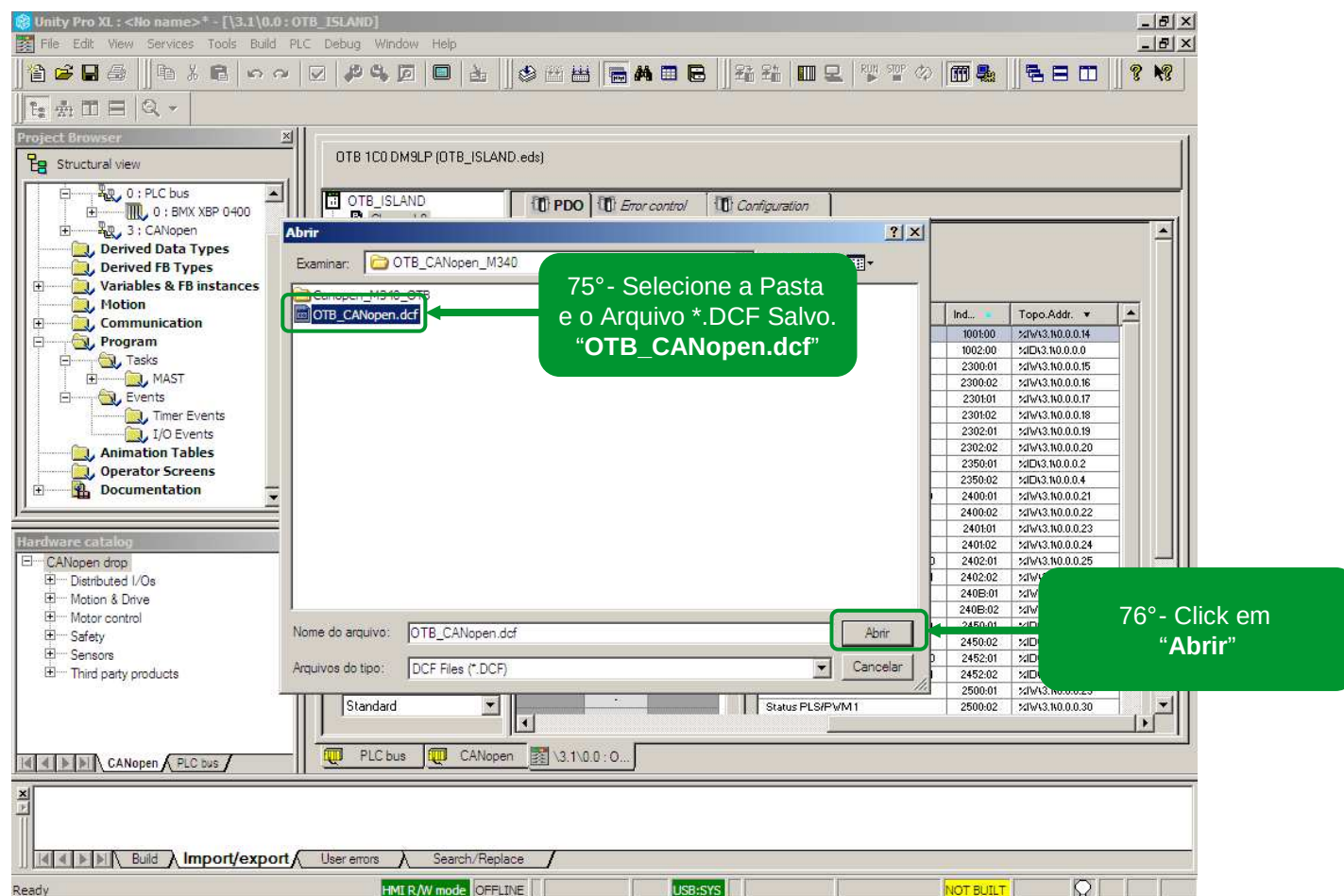


73° - Mova a
Barra Horizontal
"Para Direita"

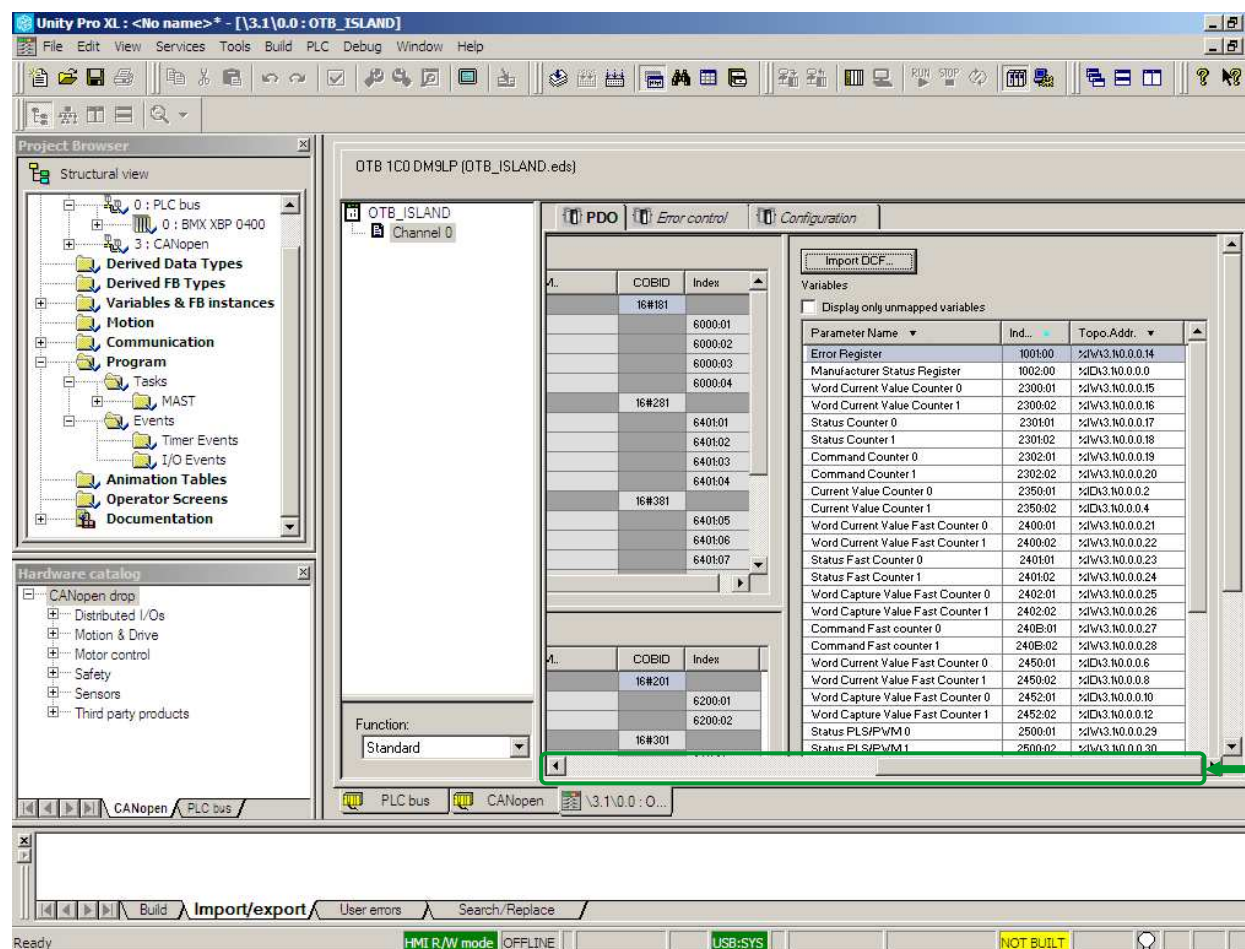
Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340

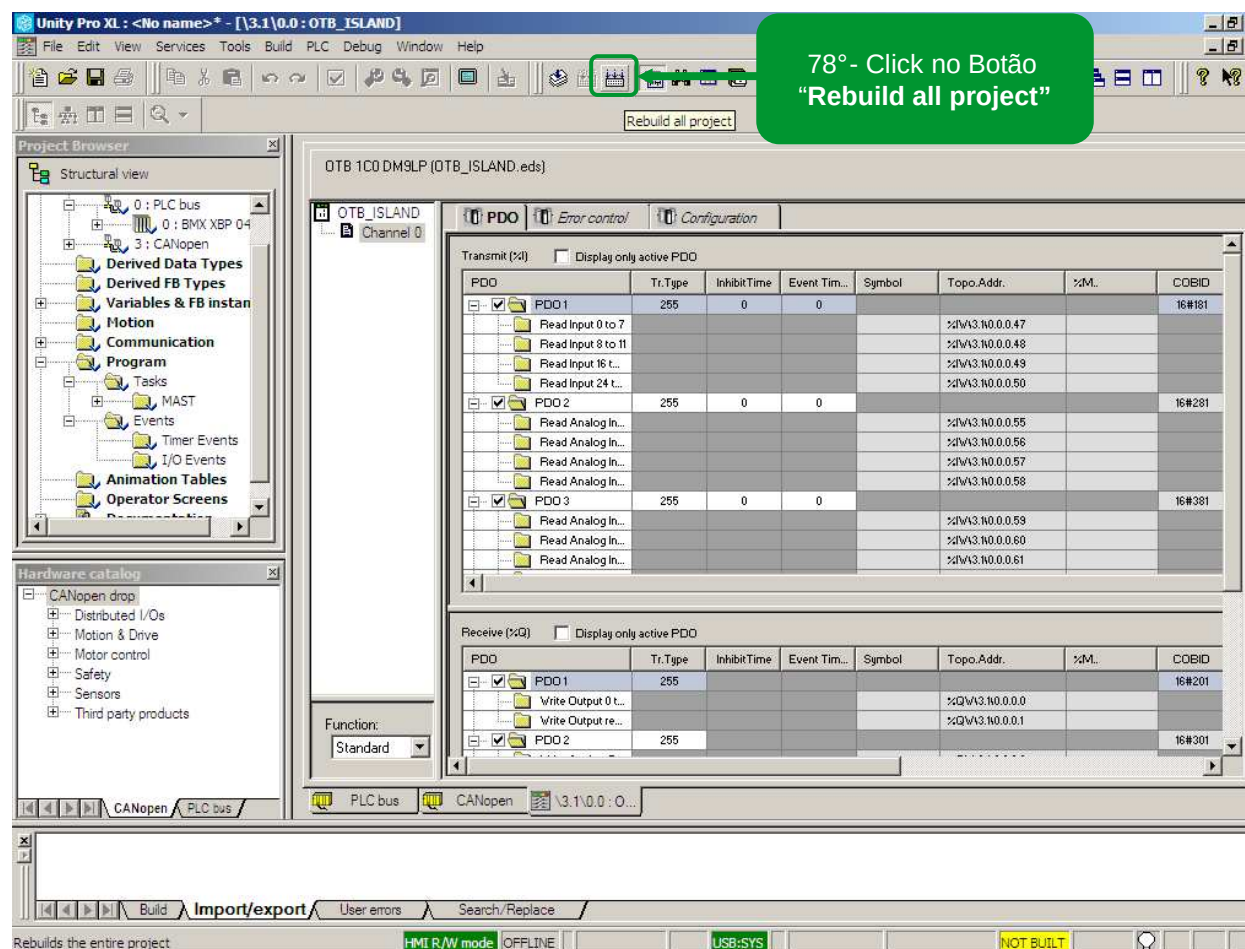


Configuração Unity Pro XL – M340



77° - Mova a Barra Horizontal Para Esquerda

Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340

The screenshot shows the Unity Pro XL software interface. The main window displays the configuration for a PLC bus (0: PLC bus) and a CANopen bus (3: CANopen). The status bar at the bottom indicates a configuration error: "Process failed : 2 Error(s) , 3 Warning(s)". A green callout box points to this error message, containing the text: "79° - Informa que há Erros na aplicação 'Palavras Configuradas'".

The error message in the status bar is as follows:

```

Analyzing...
Project settings disabled : Maintain output links on disabled EF (EN=0)
Generating...
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved less %MW IN than necessary on bus number 3. The configuration needs 6F
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved more %MW OUT than necessary on bus number 3. The configuration needs 6F
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved more %M IN than necessary on bus number 3. The configuration needs 0 %
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved more %M OUT than necessary on bus number 3. The configuration needs 0 %
(Configuration) : Configuration binary generation Error.
Process failed : 2 Error(s) , 3 Warning(s)
  
```

Configuração Unity Pro XL – M340

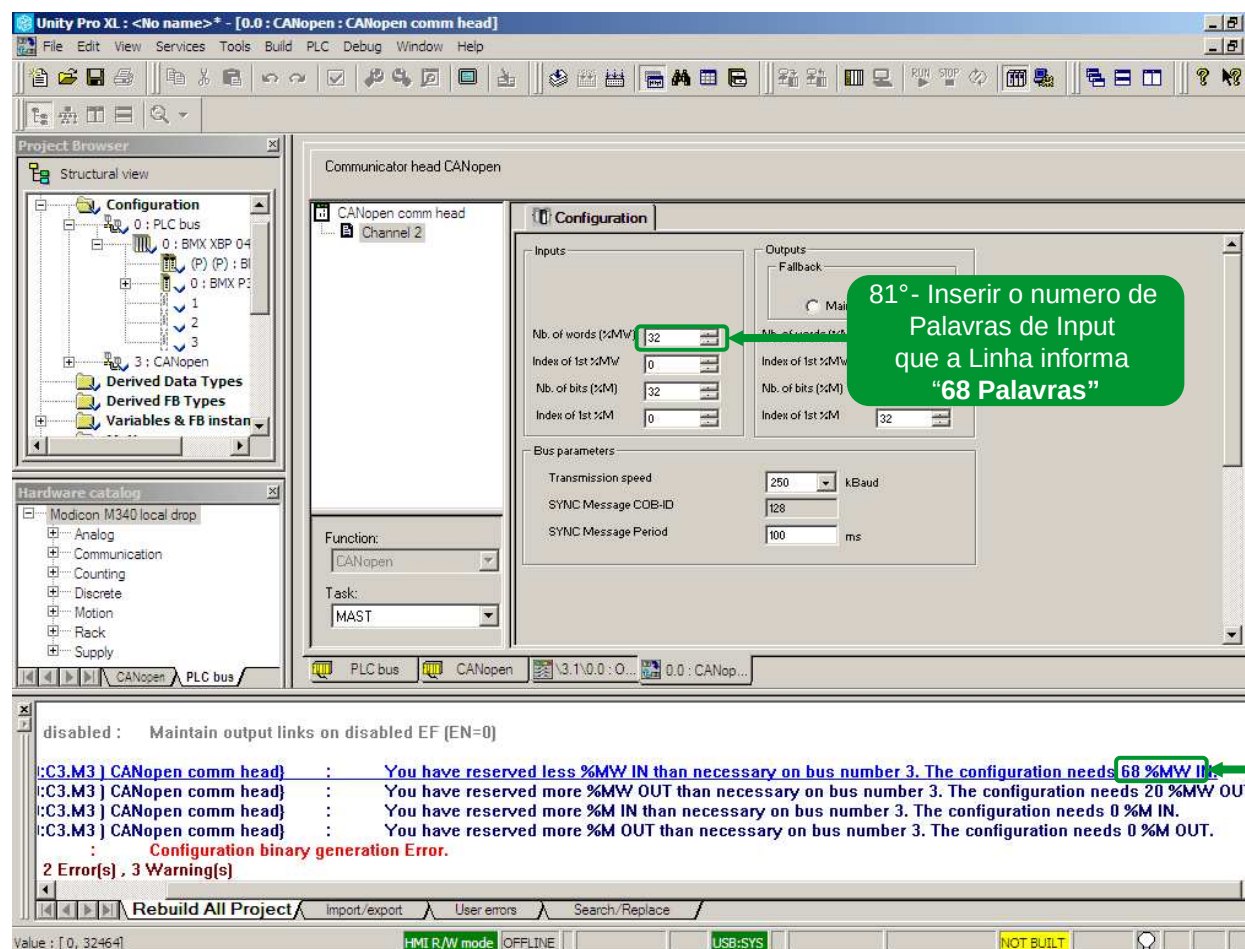
The screenshot shows the Unity Pro XL software interface. The main window displays the configuration for a PLC bus (0: PLC bus) and a CANopen bus (3: CANopen). The console window at the bottom shows the following error messages:

```

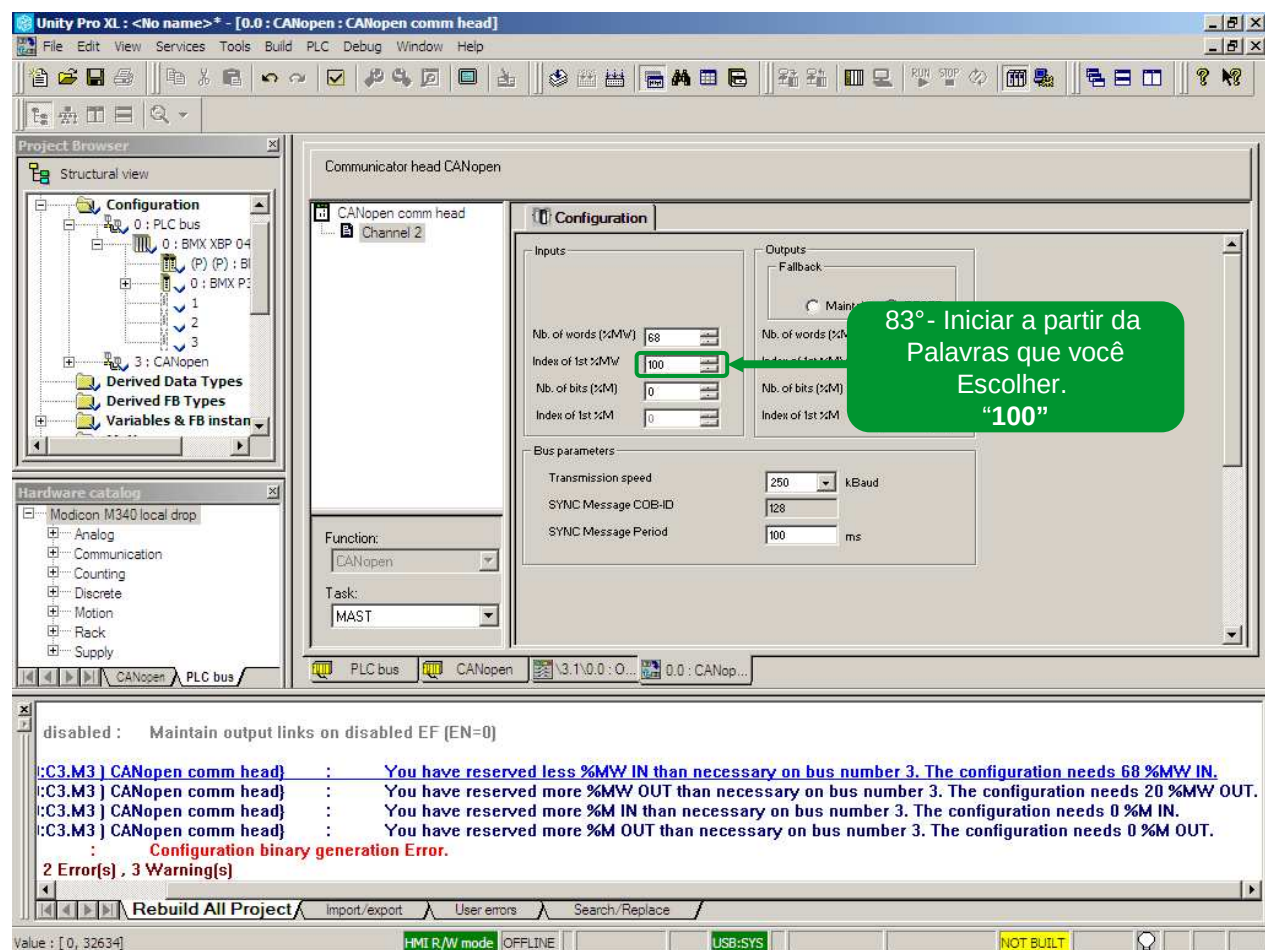
Analyzing...
Project settings disabled : Maintain output links on disabled EF (EN=0)
Generating...
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved less %MW IN than necessary on bus number 3. The configuration needs 66
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved more %MW OUT than necessary on bus number 3. The configuration needs 66
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved more %M IN than necessary on bus number 3. The configuration needs 0 %
(SubDevice [0.0:C3.M3] CANopen comm head) : You have reserved more %M OUT than necessary on bus number 3. The configuration needs 0 %
(Configuration) : Configuration binary generation Error.
Process failed : 2 Error(s) , 3 Warning(s)
  
```

A green callout box with the text "80° - Click Duplo na Linha que está em Erro." points to the first error message in the console window.

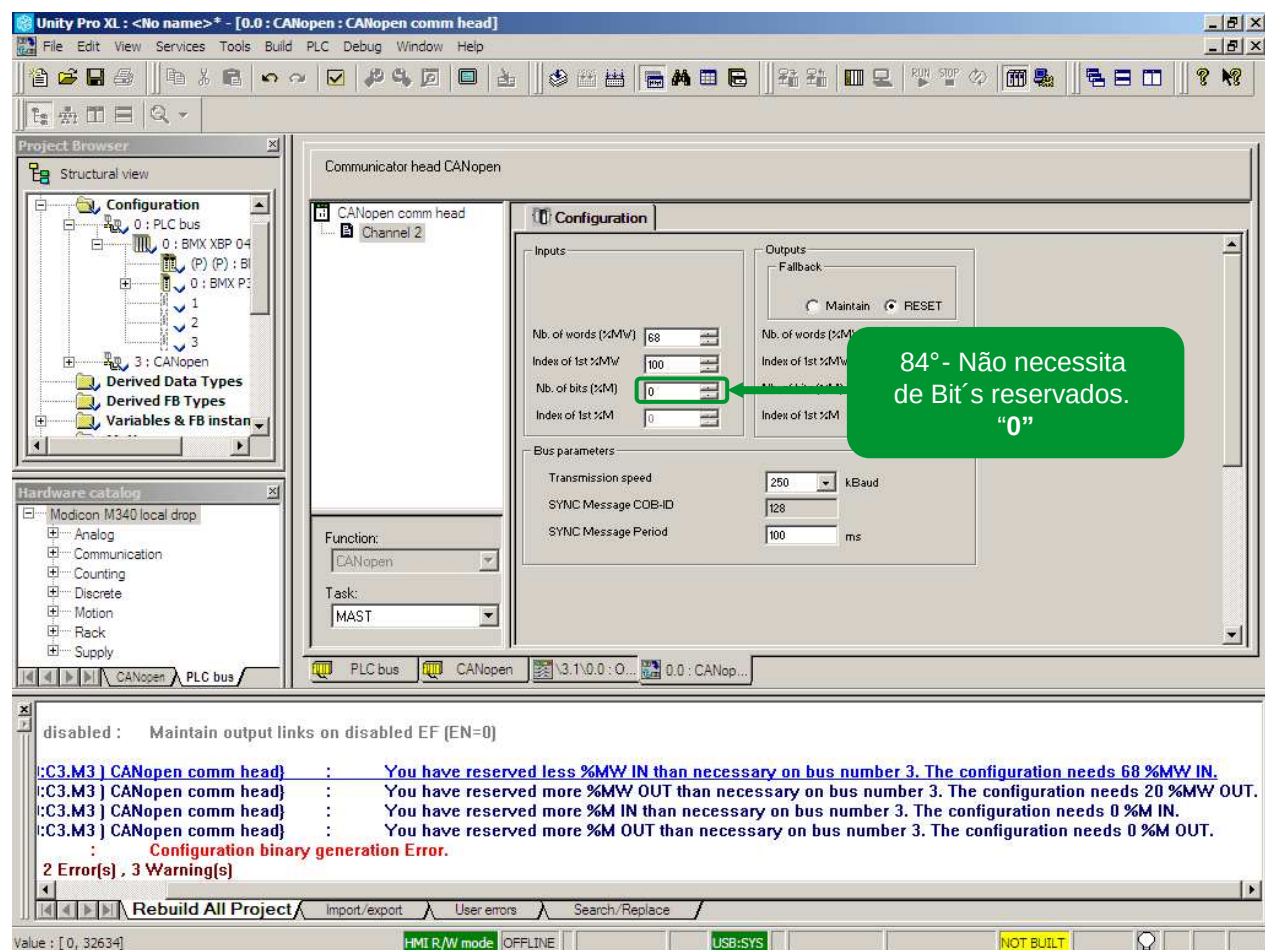
Configuração Unity Pro XL – M340



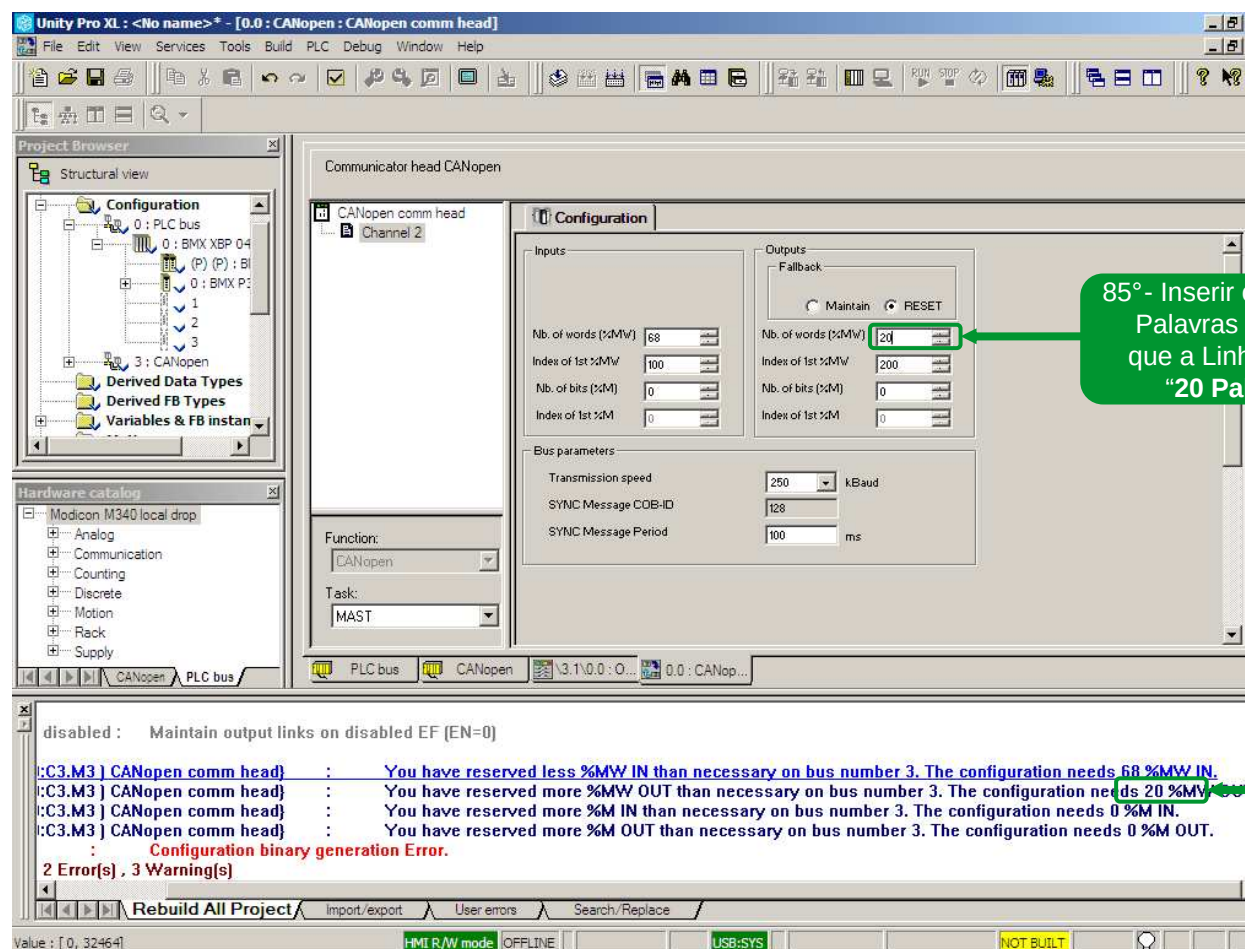
Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



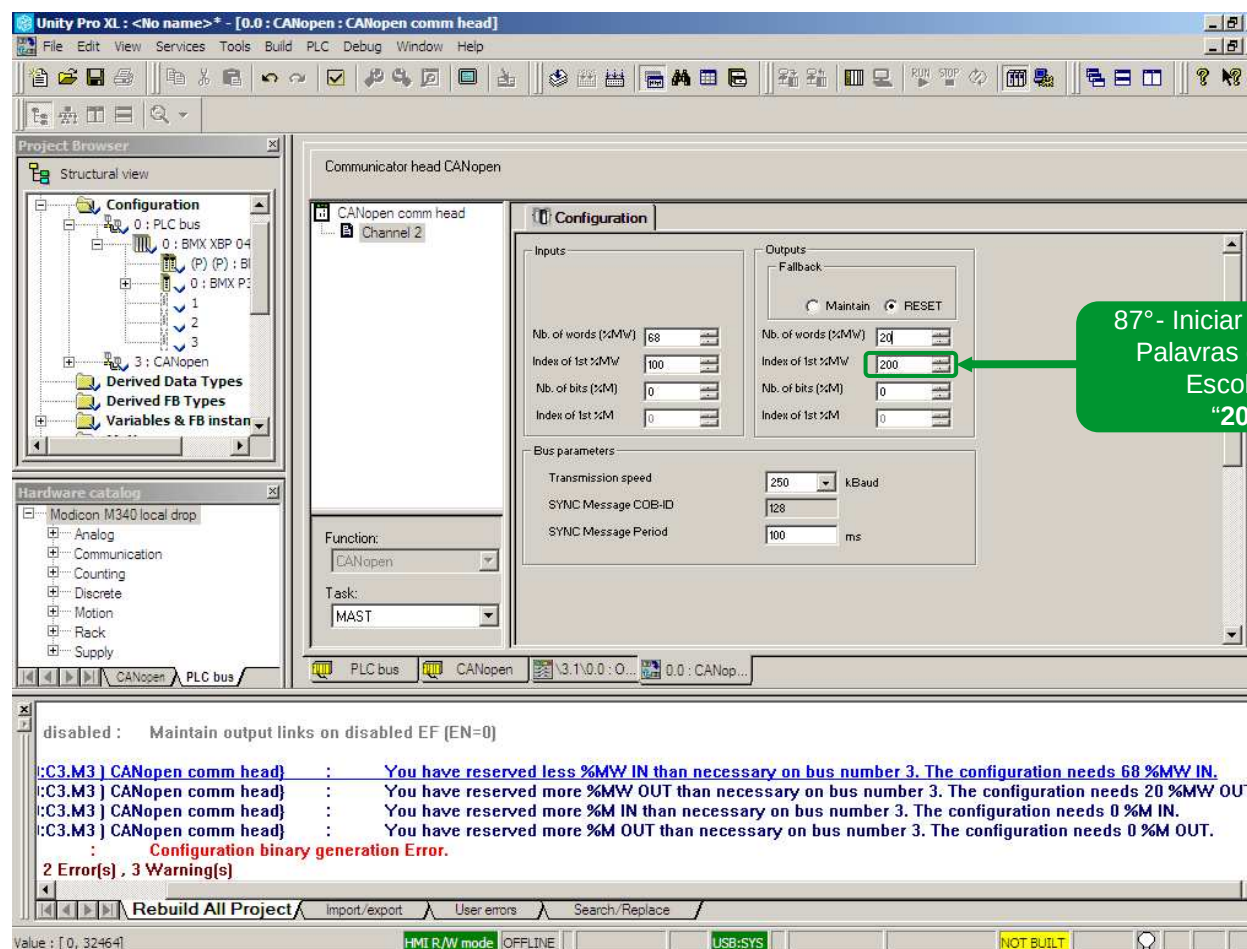
Configuração Unity Pro XL – M340



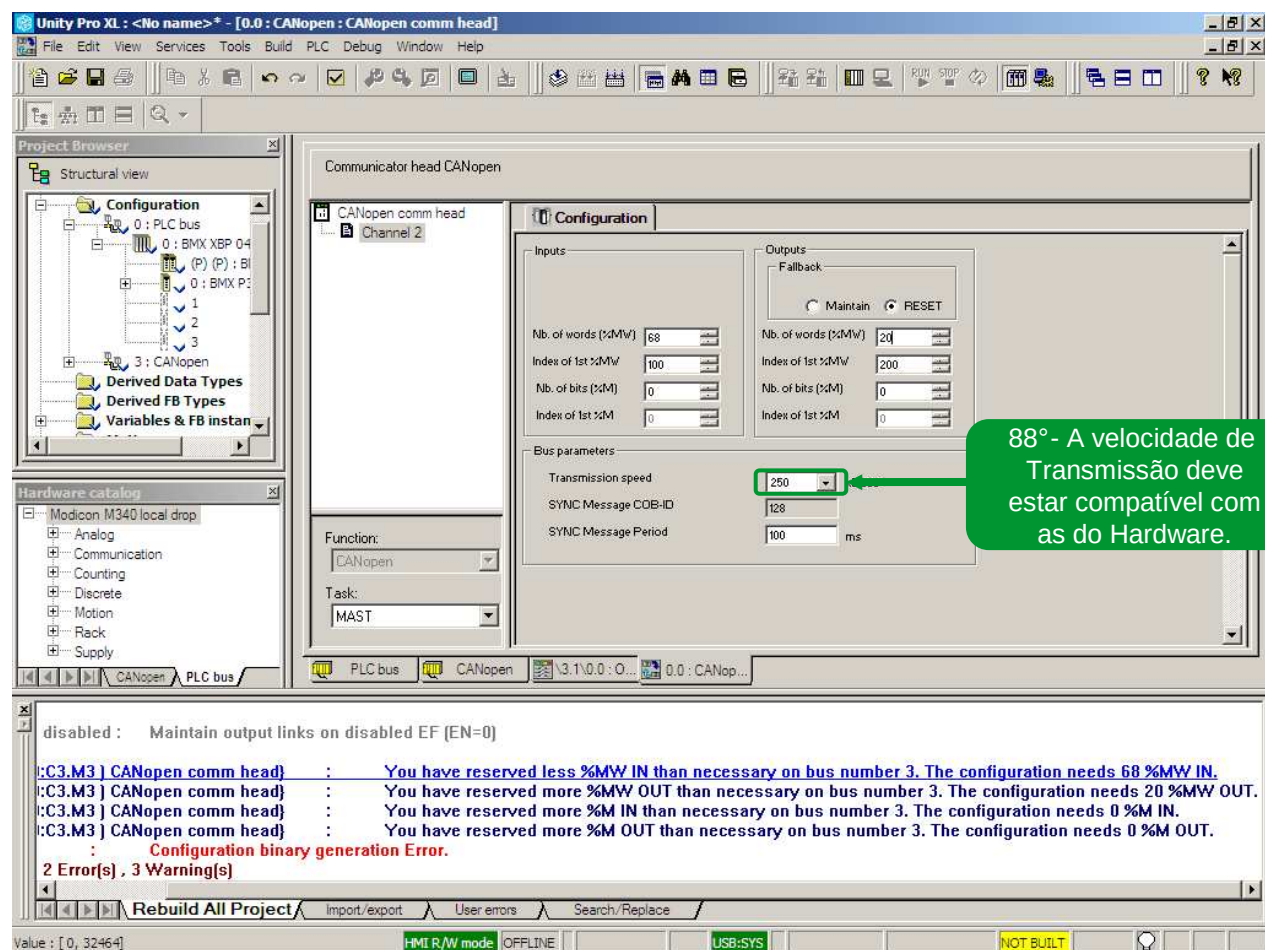
85° - Inserir o numero de Palavras de Output que a Linha informa "20 Palavras"

86° - Neste caso Inserir o numero de 20 Palavras.

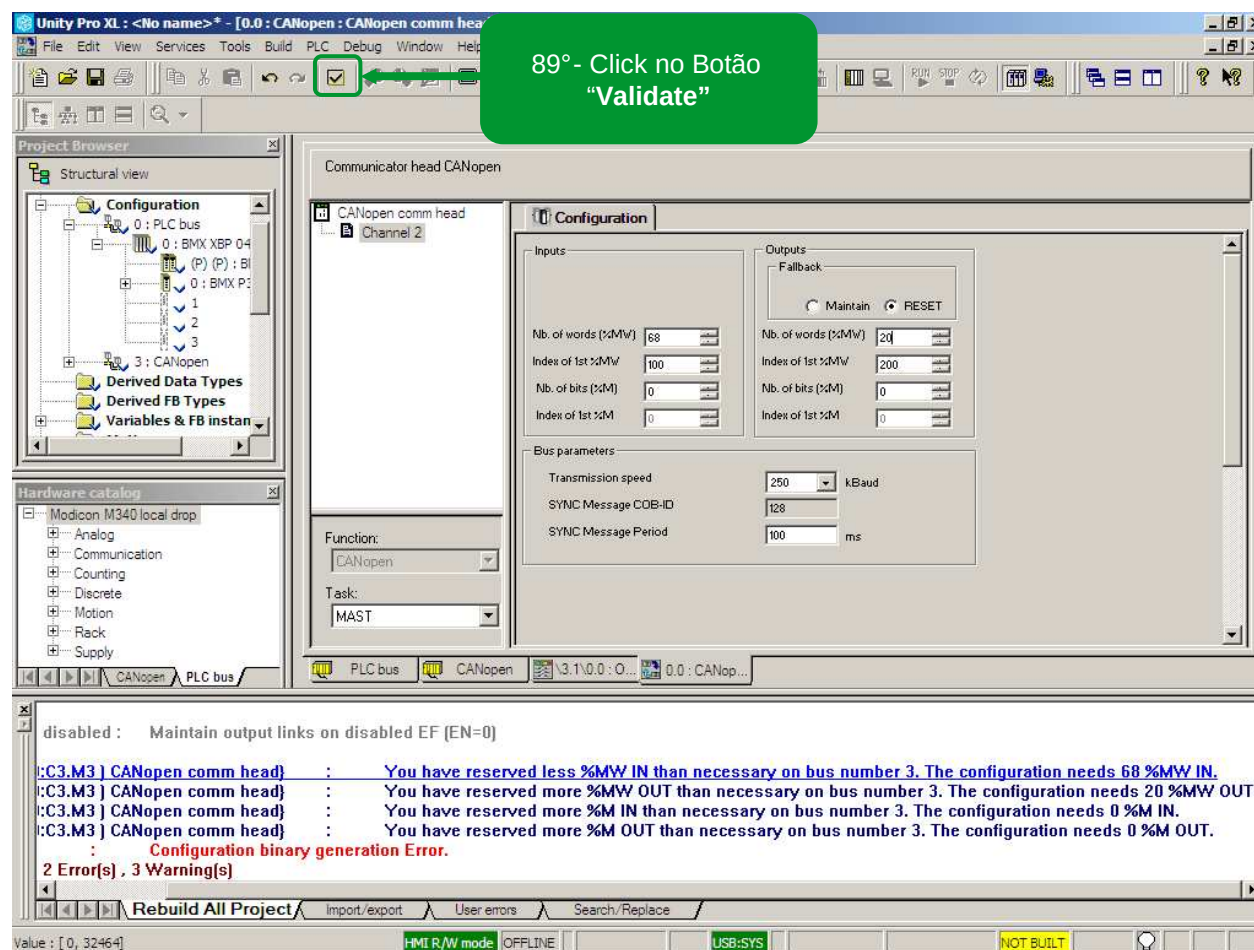
Configuração Unity Pro XL – M340



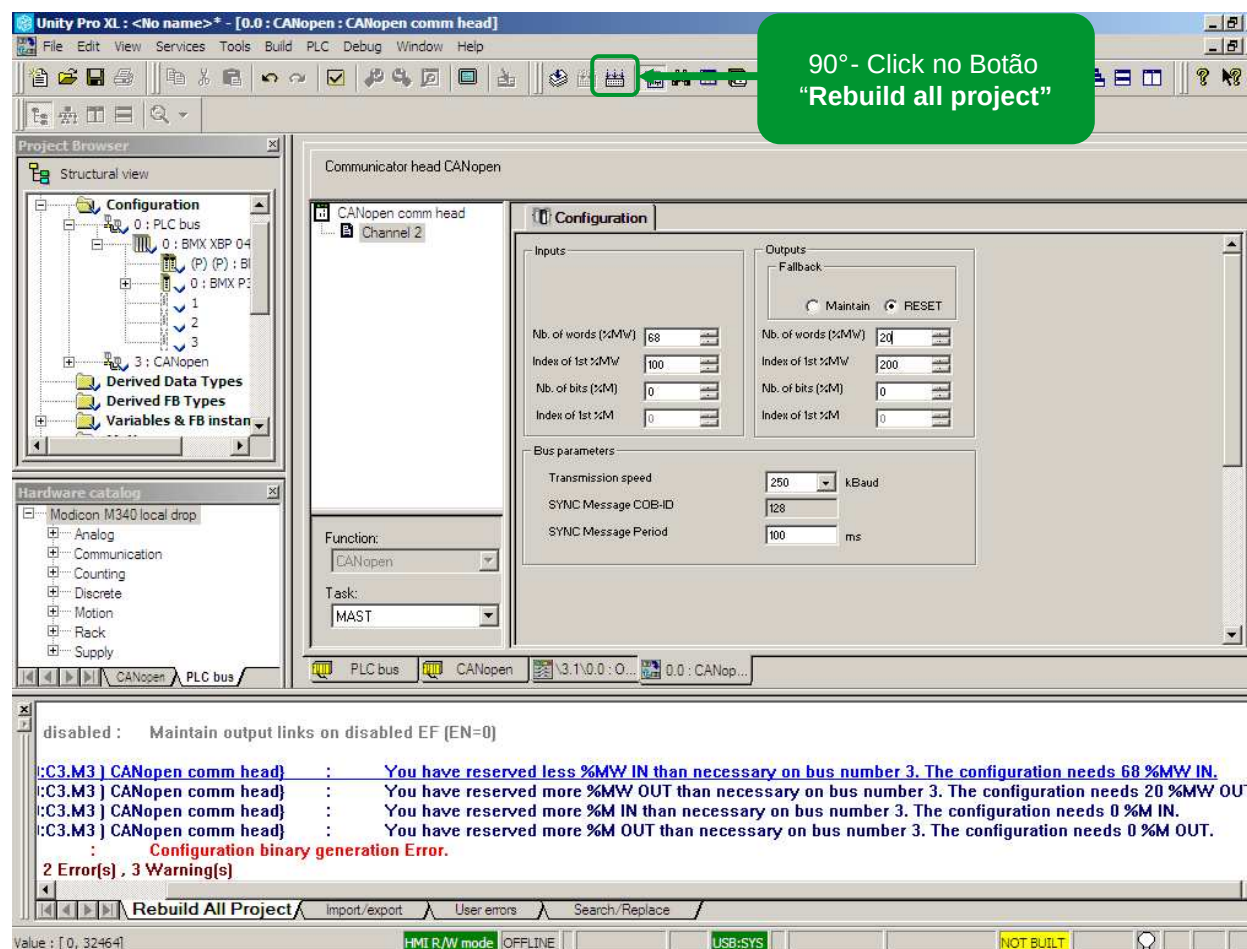
Configuração Unity Pro XL – M340



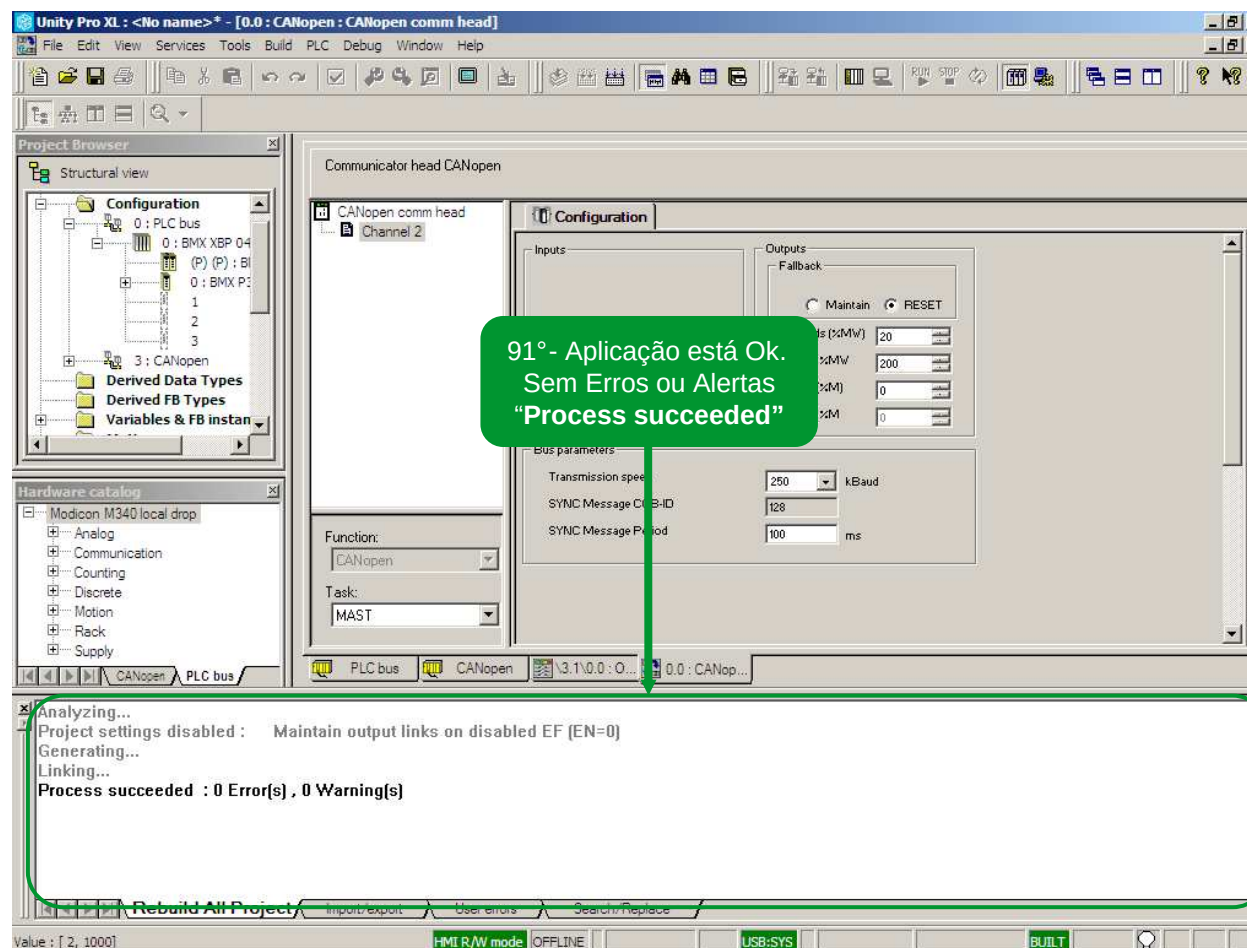
Configuração Unity Pro XL – M340



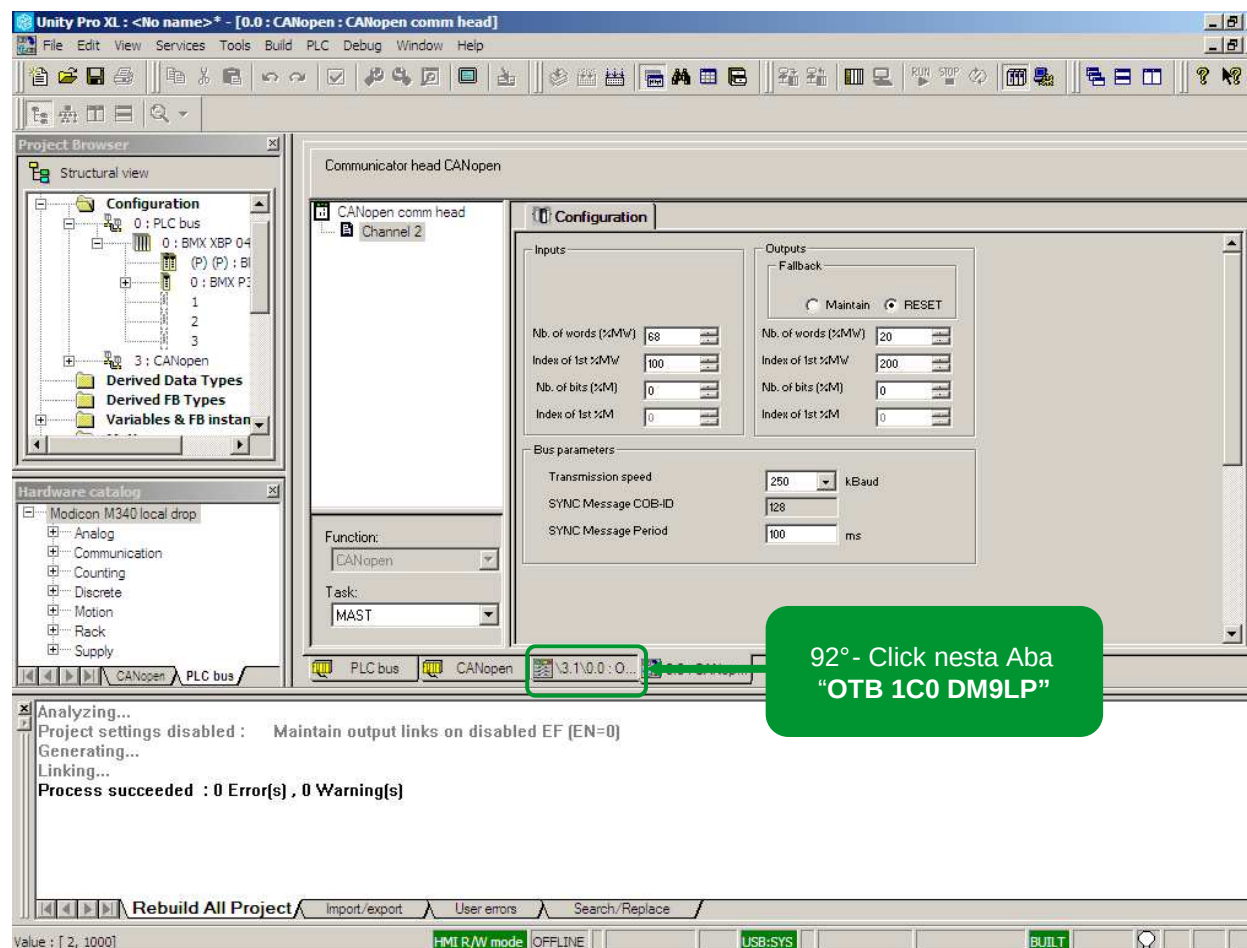
Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



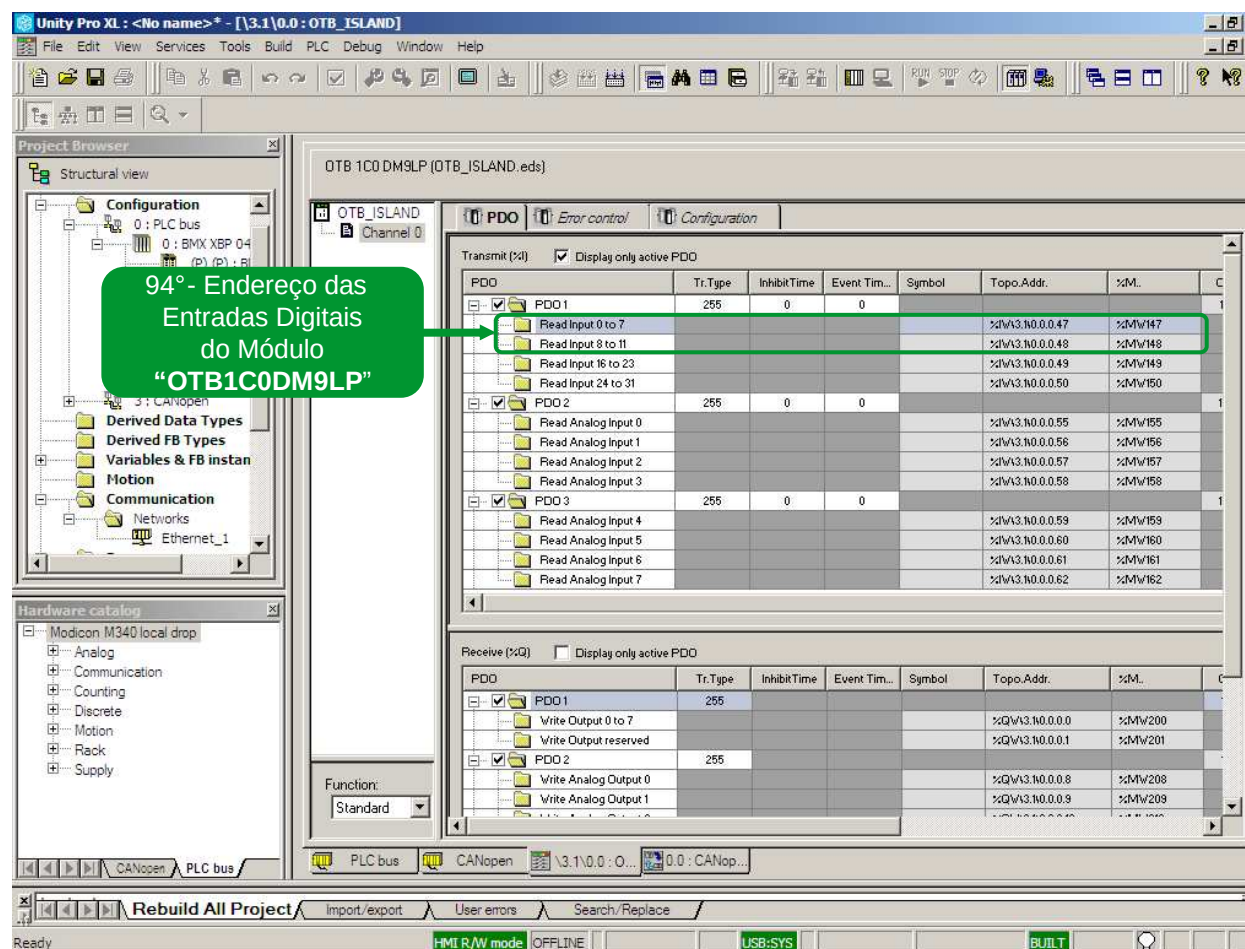
Configuração Unity Pro XL – M340

93° - As Palavras de Inputs configuradas .
"Palavras de Entradas"

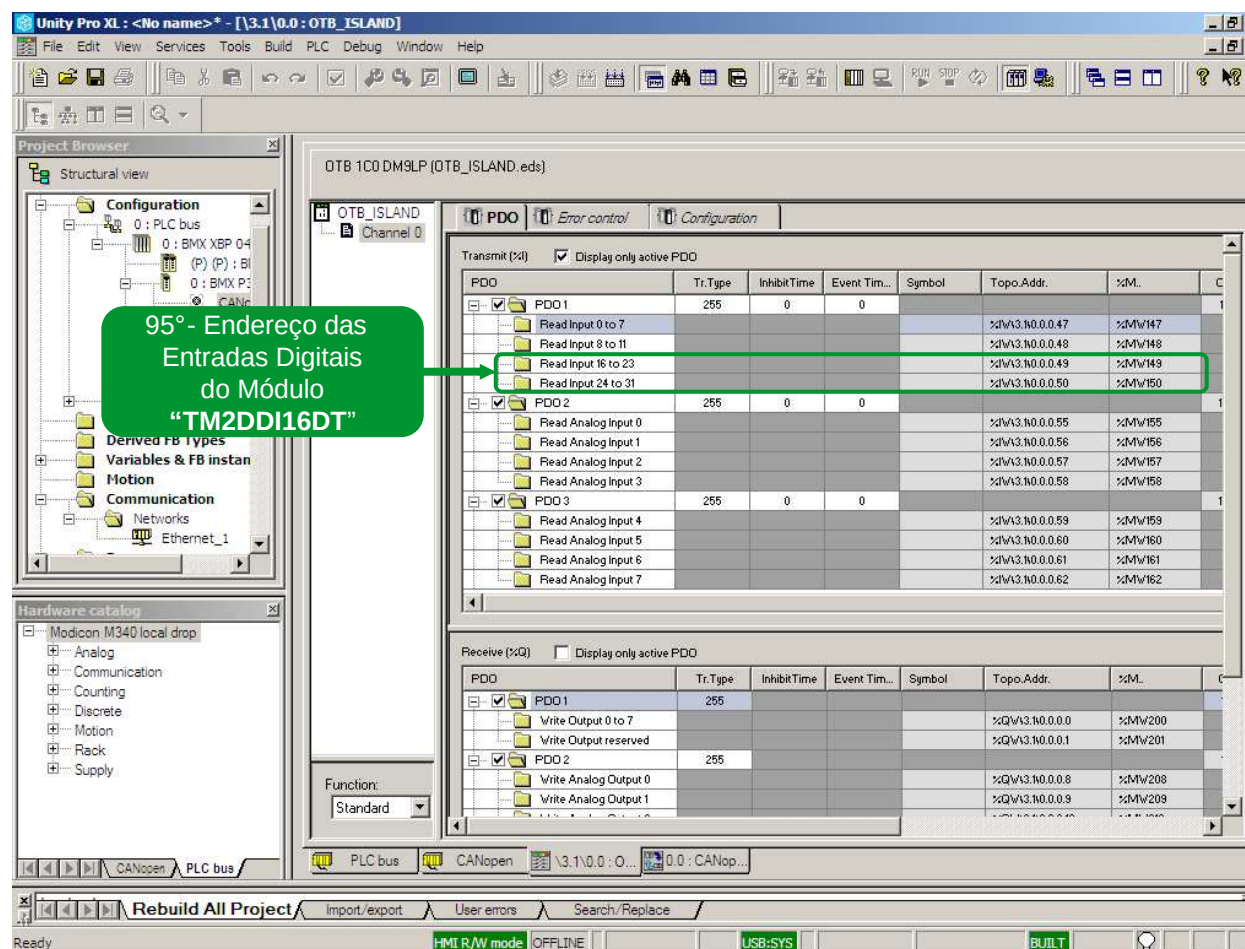
PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M...
PDO 1	255	0	0			
Read Input 0 to 7				%IWV3.N0.0.0.47	%Mv147	
Read Input 8 to 11				%IWV3.N0.0.0.48	%Mv148	
Read Input 16 to 23				%IWV3.N0.0.0.49	%Mv149	
Read Input 24 to 31				%IWV3.N0.0.0.50	%Mv150	
PDO 2	255	0	0			
Read Analog Input 0				%IWV3.N0.0.0.55	%Mv155	
Read Analog Input 1				%IWV3.N0.0.0.56	%Mv156	
Read Analog Input 2				%IWV3.N0.0.0.57	%Mv157	
Read Analog Input 3				%IWV3.N0.0.0.58	%Mv158	
PDO 3	255	0	0			
Read Analog Input 4				%IWV3.N0.0.0.59	%Mv159	
Read Analog Input 5				%IWV3.N0.0.0.60	%Mv160	
Read Analog Input 6				%IWV3.N0.0.0.61	%Mv161	
Read Analog Input 7				%IWV3.N0.0.0.62	%Mv162	

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M...
PDO 1	255					
Write Output 0 to 7				%QV3.N0.0.0.0	%Mv200	
Write Output reserved				%QV3.N0.0.0.1	%Mv201	
PDO 2	255					
Write Analog Output 0				%QV3.N0.0.0.8	%Mv208	
Write Analog Output 1				%QV3.N0.0.0.9	%Mv209	

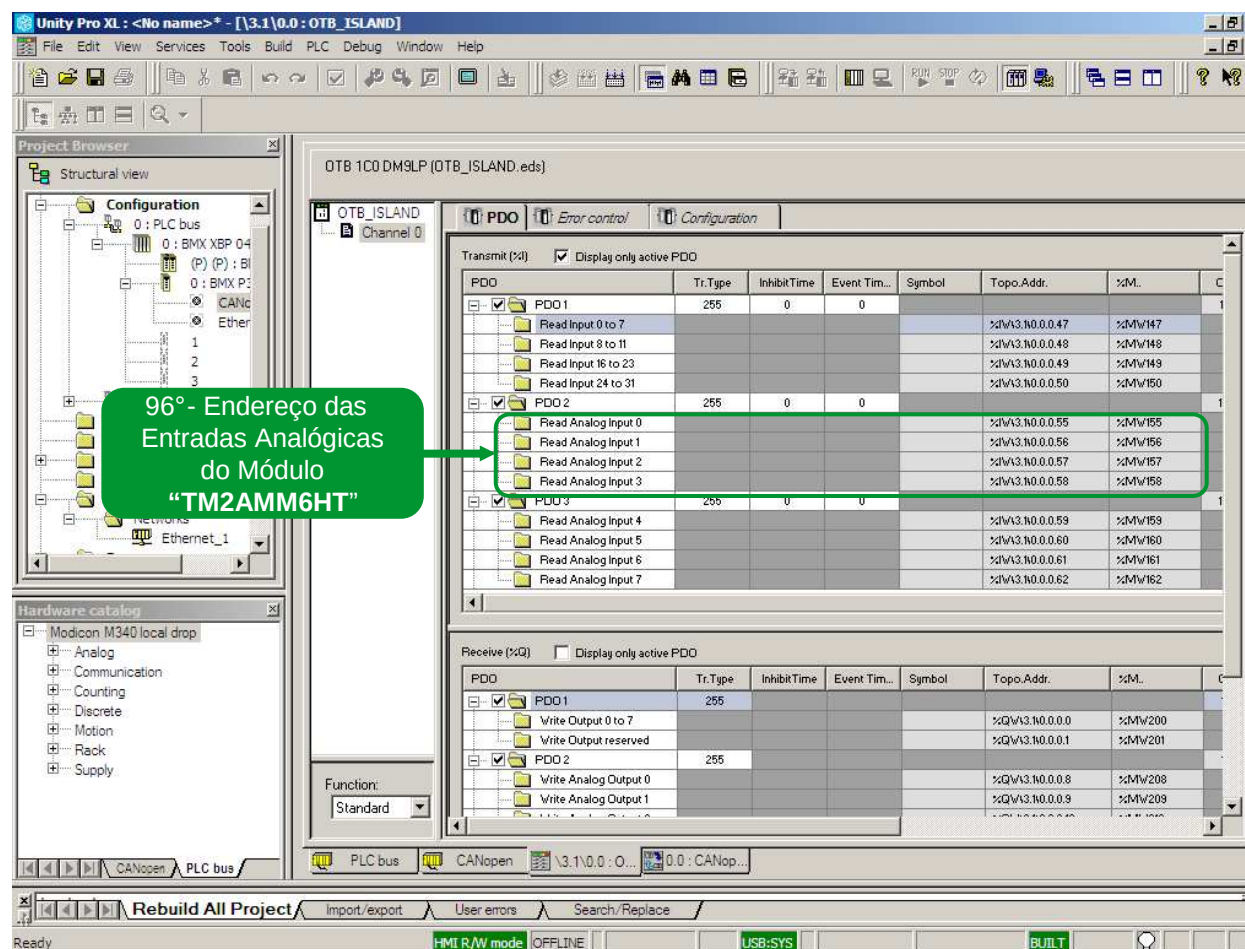
Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



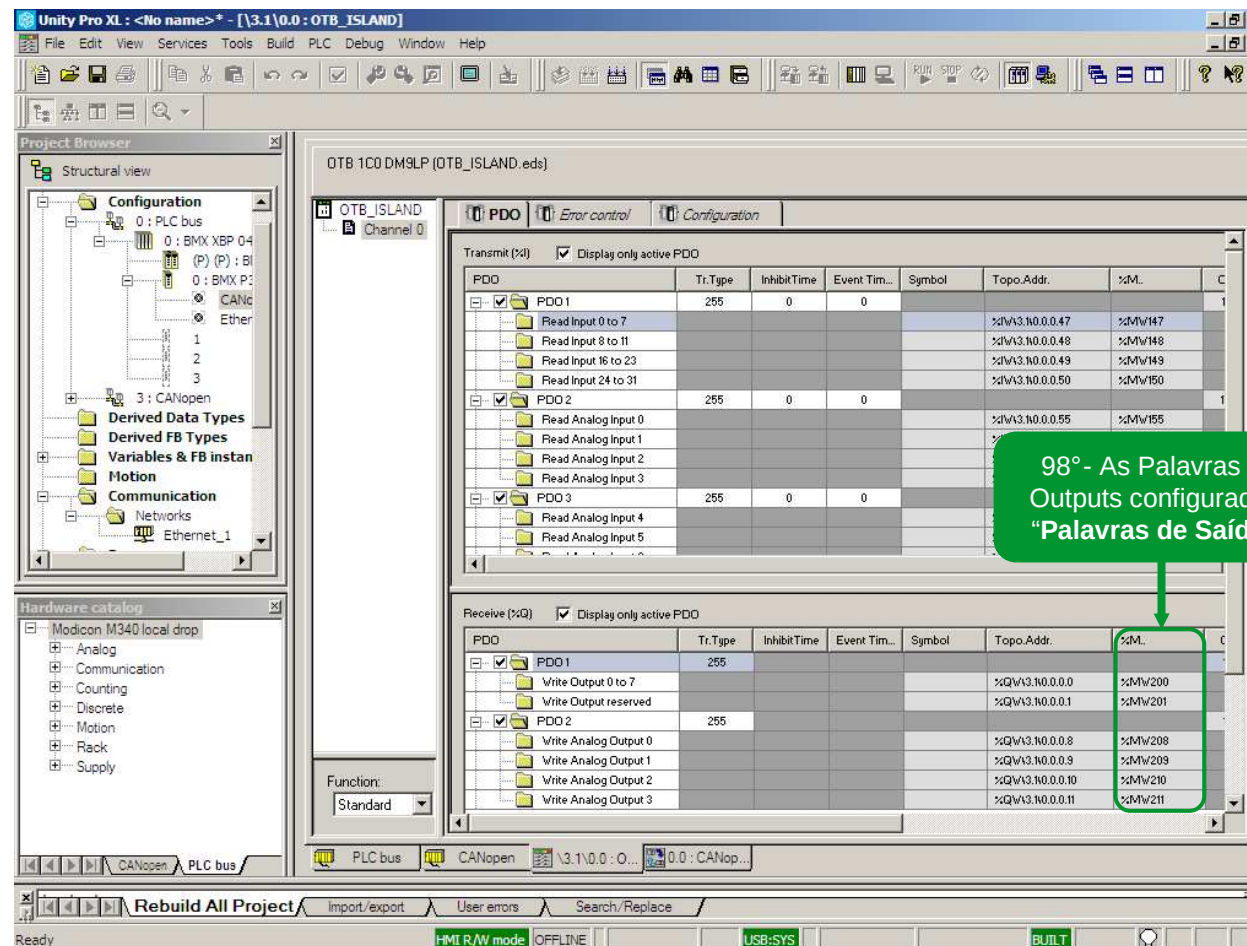
Configuração Unity Pro XL – M340

97°- Endereço das Entradas Analógicas do Módulo "TWDAMM6HT"

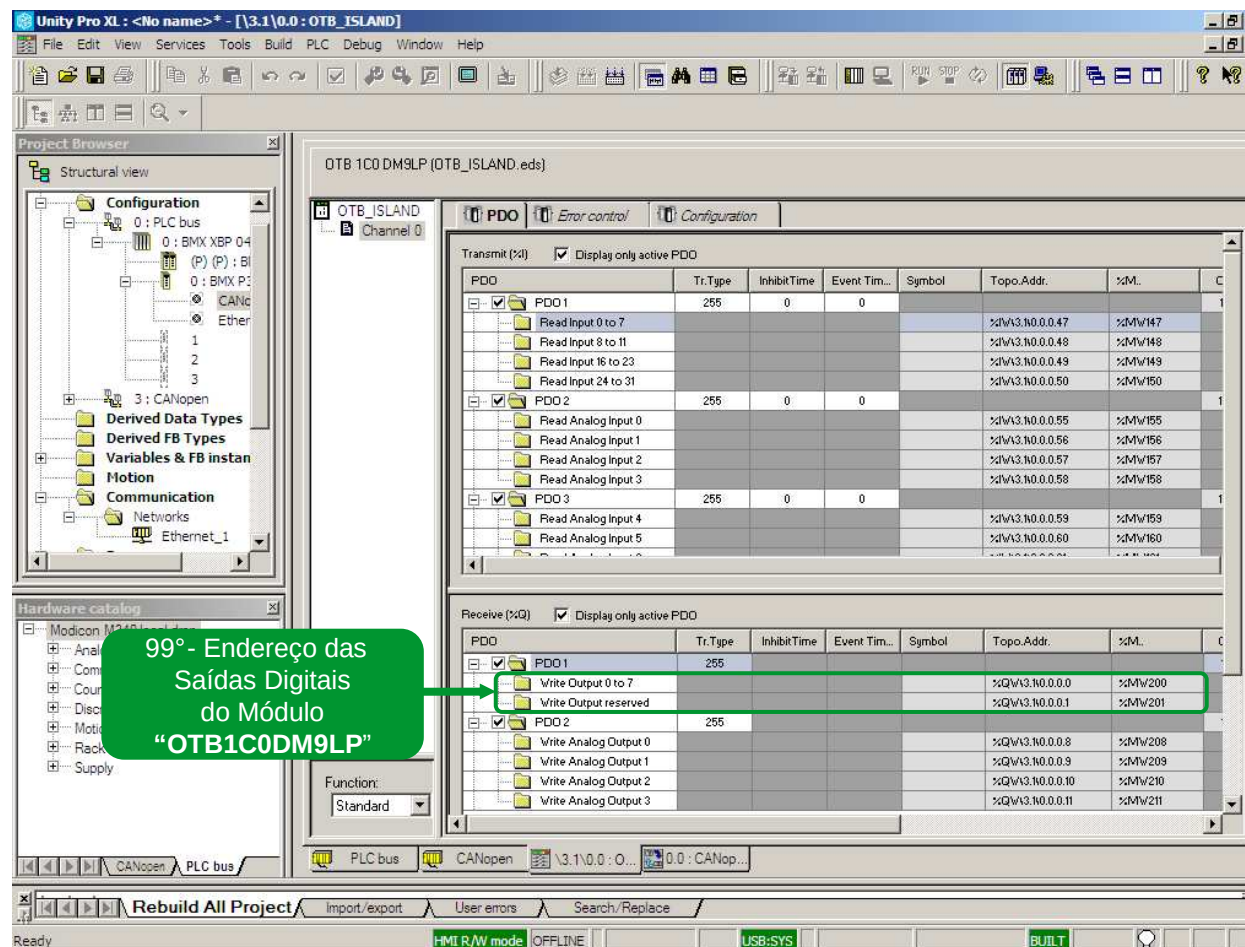
PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.
PDO 1	255	0	0			
Read Input 0 to 7				%IW3.N0.0.0.47	%Mv147	
Read Input 8 to 11				%IW3.N0.0.0.48	%Mv148	
Read Input 16 to 23				%IW3.N0.0.0.49	%Mv149	
Read Input 24 to 31				%IW3.N0.0.0.50	%Mv150	
PDO 2	255	0	0			
Read Analog Input 0				%IW3.N0.0.0.55	%Mv155	
Read Analog Input 1				%IW3.N0.0.0.56	%Mv156	
Read Analog Input 2				%IW3.N0.0.0.57	%Mv157	
Read Analog Input 3				%IW3.N0.0.0.58	%Mv158	
PDO 3	255	0	0			
Read Analog Input 4				%IW3.N0.0.0.59	%Mv159	
Read Analog Input 5				%IW3.N0.0.0.60	%Mv160	
Read Analog Input 6				%IW3.N0.0.0.61	%Mv161	
Read Analog Input 7				%IW3.N0.0.0.62	%Mv162	

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.
PDO 1	255					
Write Output 0 to 7				%QW3.N0.0.0.0	%Mv200	
Write Output reserved				%QW3.N0.0.0.1	%Mv201	
PDO 2	255					
Write Analog Output 0				%QW3.N0.0.0.8	%Mv208	
Write Analog Output 1				%QW3.N0.0.0.9	%Mv209	

Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340

The screenshot shows the Unity Pro XL software interface for configuring a Modicon M340 PLC. The 'PDO' tab is active, displaying the configuration for the 'OTB 1C0 DM9LP (OTB_ISLAND.eds)' device. The 'Transmit (%I)' and 'Receive (%Q)' tables are visible, showing the mapping of PLC data to the CANopen protocol. A green callout box highlights the 'Write Analog Output 0' entry in the 'Receive (%Q)' table, indicating its address.

Transmit (%I) - Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.
PDO 1	255	0	0			
Read Input 0 to 7				%IWV3.N0.0.0.47	%Mv147	
Read Input 8 to 11				%IWV3.N0.0.0.48	%Mv148	
Read Input 16 to 23				%IWV3.N0.0.0.49	%Mv149	
Read Input 24 to 31				%IWV3.N0.0.0.50	%Mv150	
PDO 2	255	0	0			
Read Analog Input 0				%IWV3.N0.0.0.55	%Mv155	
Read Analog Input 1				%IWV3.N0.0.0.56	%Mv156	
Read Analog Input 2				%IWV3.N0.0.0.57	%Mv157	
Read Analog Input 3				%IWV3.N0.0.0.58	%Mv158	
PDO 3	255	0	0			
Read Analog Input 4				%IWV3.N0.0.0.59	%Mv159	
Read Analog Input 5				%IWV3.N0.0.0.60	%Mv160	

Receive (%Q) - Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.
PDO 1	255					
Write Output 0 to 7				%QV13.N0.0.0.0	%Mv200	
Write Output reserved				%QV13.N0.0.0.1	%Mv201	
PDO 2	255					
Write Analog Output 0				%QV13.N0.0.0.8	%Mv208	
Write Analog Output 1				%QV13.N0.0.0.9	%Mv209	
Write Analog Output 2				%QV13.N0.0.0.10	%Mv210	
Write Analog Output 3				%QV13.N0.0.0.11	%Mv211	

100° - Endereço das Saídas Analógicas do Módulo "TM2AMM6HT"

Configuração Unity Pro XL – M340

The screenshot shows the Unity Pro XL software interface for configuring a Modicon M340 PLC. The main window displays the 'Configuration' tab for 'OTB 1C0 DM9LP (OTB_ISLAND.eds)'. The 'Receive (%Q)' table is visible, showing the configuration for the PLC's outputs. A green callout box points to the 'Write Analog Output 1' entry, which is highlighted in green. The address 101 is indicated in the callout box.

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.
PDO 1	255	0	0			
Read Input 0 to 7				%IWV3.N0.0.0.47	%Mv147	
Read Input 8 to 11				%IWV3.N0.0.0.48	%Mv148	
Read Input 16 to 23				%IWV3.N0.0.0.49	%Mv149	
Read Input 24 to 31				%IWV3.N0.0.0.50	%Mv150	
PDO 2	255	0	0			
Read Analog Input 0				%IWV3.N0.0.0.55	%Mv155	
Read Analog Input 1				%IWV3.N0.0.0.56	%Mv156	
Read Analog Input 2				%IWV3.N0.0.0.57	%Mv157	
Read Analog Input 3				%IWV3.N0.0.0.58	%Mv158	
PDO 3	255	0	0			
Read Analog Input 4				%IWV3.N0.0.0.59	%Mv159	
Read Analog Input 5				%IWV3.N0.0.0.60	%Mv160	
PDO 1	255					
Write Output 0 to 7				%QWV3.N0.0.0.0	%Mv200	
Write Output reserved				%QWV3.N0.0.0.1	%Mv201	
PDO 2	255					
Write Analog Output 0				%QWV3.N0.0.0.8	%Mv208	
Write Analog Output 1				%QWV3.N0.0.0.9	%Mv209	
Write Analog Output 2				%QWV3.N0.0.0.10	%Mv210	
Write Analog Output 3				%QWV3.N0.0.0.11	%Mv211	

101° - Endereço das Saídas Analógicas do Módulo "TWDAMM6HT"

Configuração Unity Pro XL – M340

The screenshot displays the Unity Pro XL software interface for configuring a Modicon M340 PLC. The main window shows the 'Configuration' tab for 'OTB 1C0 DM9LP (OTB_ISLAND.eds)'. The 'Transmit (%I)' and 'Receive (%Q)' tables are visible, showing the mapping of digital and analog inputs/outputs to specific addresses.

Transmit (%I) Table:

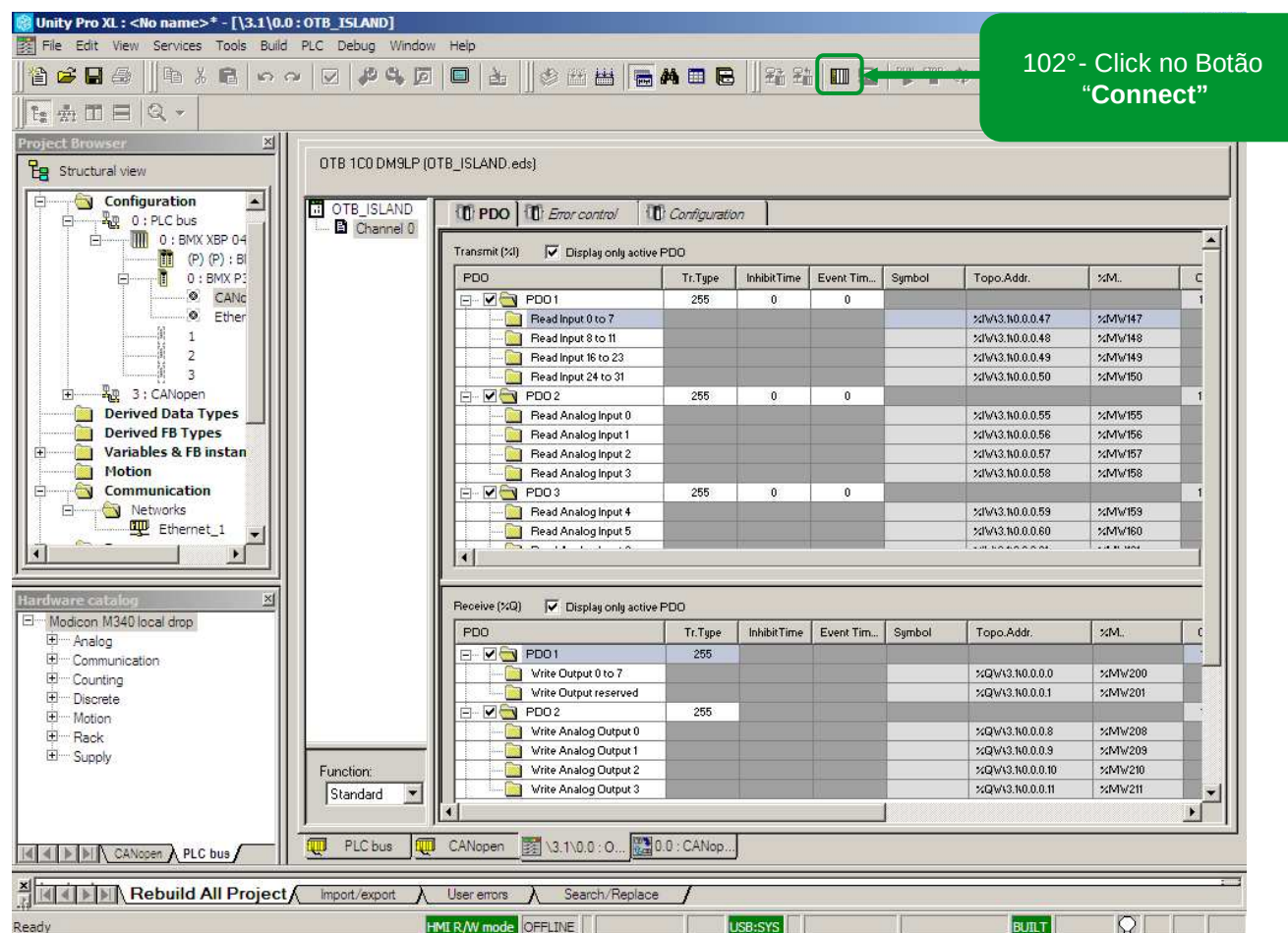
PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.
PDO 1	255	0	0			
Read Input 0 to 7				%IWV3.N0.0.0.47	%Mv147	
Read Input 8 to 11				%IWV3.N0.0.0.48	%Mv148	
Read Input 16 to 23				%IWV3.N0.0.0.49	%Mv149	
Read Input 24 to 31				%IWV3.N0.0.0.50	%Mv150	
PDO 2	255	0	0			
Read Analog Input 0				%IWV3.N0.0.0.55	%Mv155	
Read Analog Input 1				%IWV3.N0.0.0.56	%Mv156	
Read Analog Input 2				%IWV3.N0.0.0.57	%Mv157	
Read Analog Input 3				%IWV3.N0.0.0.58	%Mv158	
PDO 3	255	0	0			
Read Analog Input 4				%IWV3.N0.0.0.59	%Mv159	
Read Analog Input 5				%IWV3.N0.0.0.60	%Mv160	

Receive (%Q) Table:

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.
PDO 1	255					
Write Output 0 to 7				%QWV3.N0.0.0.0	%Mv200	
Write Output reserved				%QWV3.N0.0.0.1	%Mv201	
PDO 2	255					
Write Analog Output 0				%QWV3.N0.0.0.8	%Mv208	
Write Analog Output 1				%QWV3.N0.0.0.9	%Mv209	
Write Analog Output 2				%QWV3.N0.0.0.10	%Mv210	
Write Analog Output 3				%QWV3.N0.0.0.11	%Mv211	

A green callout box points to the 'Write Analog Output 3' entry in the 'Receive (%Q)' table, indicating the address 101 for the 'TWDAMM6HT' module.

Configuração Unity Pro XL – M340



102° - Click no Botão "Connect"

OTB 1C0 DM9LP (OTB_ISLAND.eds)

OTB_ISLAND Channel 0

Transmit (%I) ☒ Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M...
☒ PDO 1	255	0	0			
☒ Read Input 0 to 7				%IWV3.N0.0.0.47	%Mv147	
☒ Read Input 8 to 11				%IWV3.N0.0.0.48	%Mv148	
☒ Read Input 16 to 23				%IWV3.N0.0.0.49	%Mv149	
☒ Read Input 24 to 31				%IWV3.N0.0.0.50	%Mv150	
☒ PDO 2	255	0	0			
☒ Read Analog Input 0				%IWV3.N0.0.0.55	%Mv155	
☒ Read Analog Input 1				%IWV3.N0.0.0.56	%Mv156	
☒ Read Analog Input 2				%IWV3.N0.0.0.57	%Mv157	
☒ Read Analog Input 3				%IWV3.N0.0.0.58	%Mv158	
☒ PDO 3	255	0	0			
☒ Read Analog Input 4				%IWV3.N0.0.0.59	%Mv159	
☒ Read Analog Input 5				%IWV3.N0.0.0.60	%Mv160	

Receive (%Q) ☒ Display only active PDO

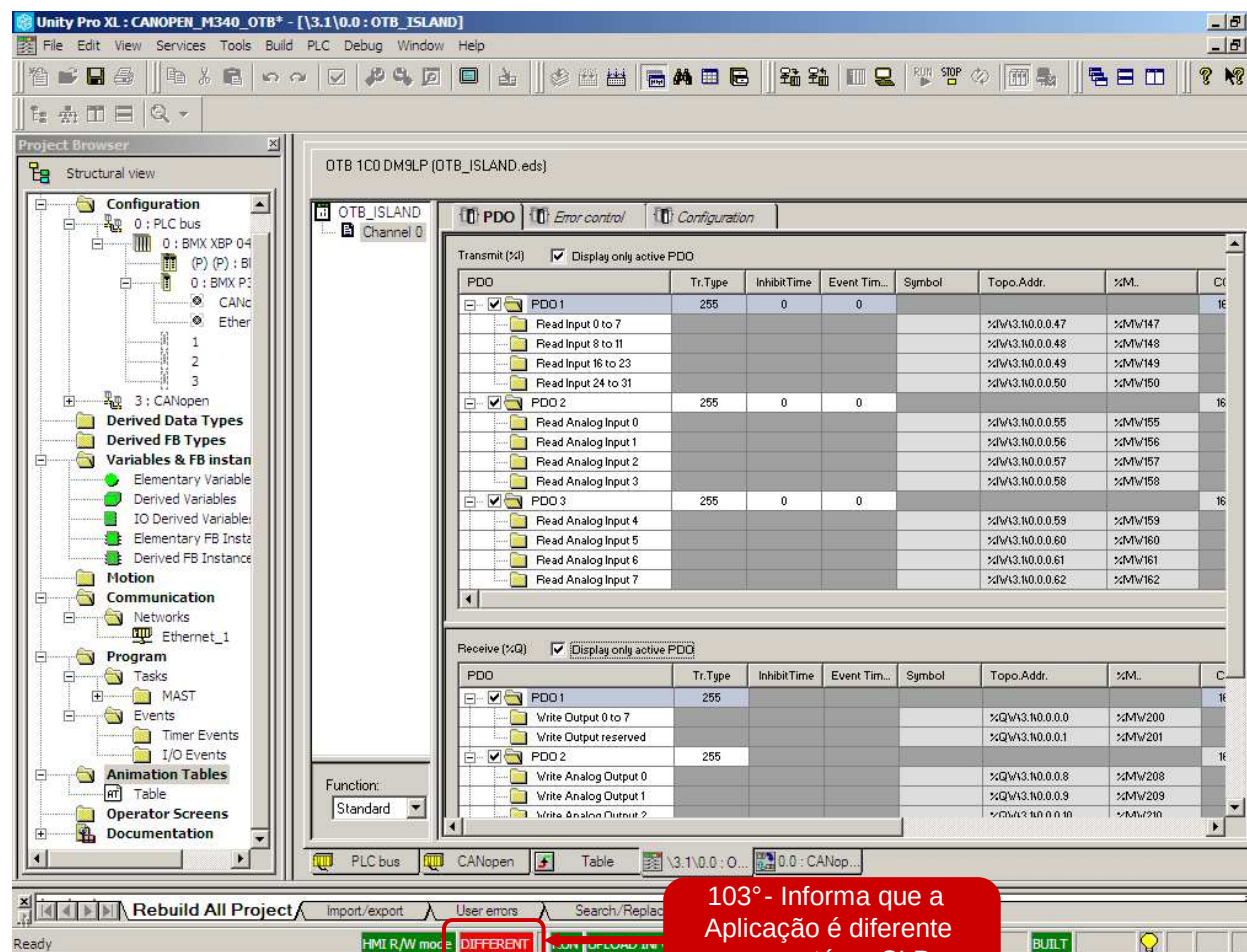
PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M...
☒ PDO 1	255					
☒ Write Output 0 to 7				%QV13.N0.0.0.0	%Mw200	
☒ Write Output reserved				%QV13.N0.0.0.1	%Mw201	
☒ PDO 2	255					
☒ Write Analog Output 0				%QV13.N0.0.0.8	%Mw208	
☒ Write Analog Output 1				%QV13.N0.0.0.9	%Mw209	
☒ Write Analog Output 2				%QV13.N0.0.0.10	%Mw210	
☒ Write Analog Output 3				%QV13.N0.0.0.11	%Mw211	

Function: Standard

Rebuild All Project Import/export User errors Search/Replace

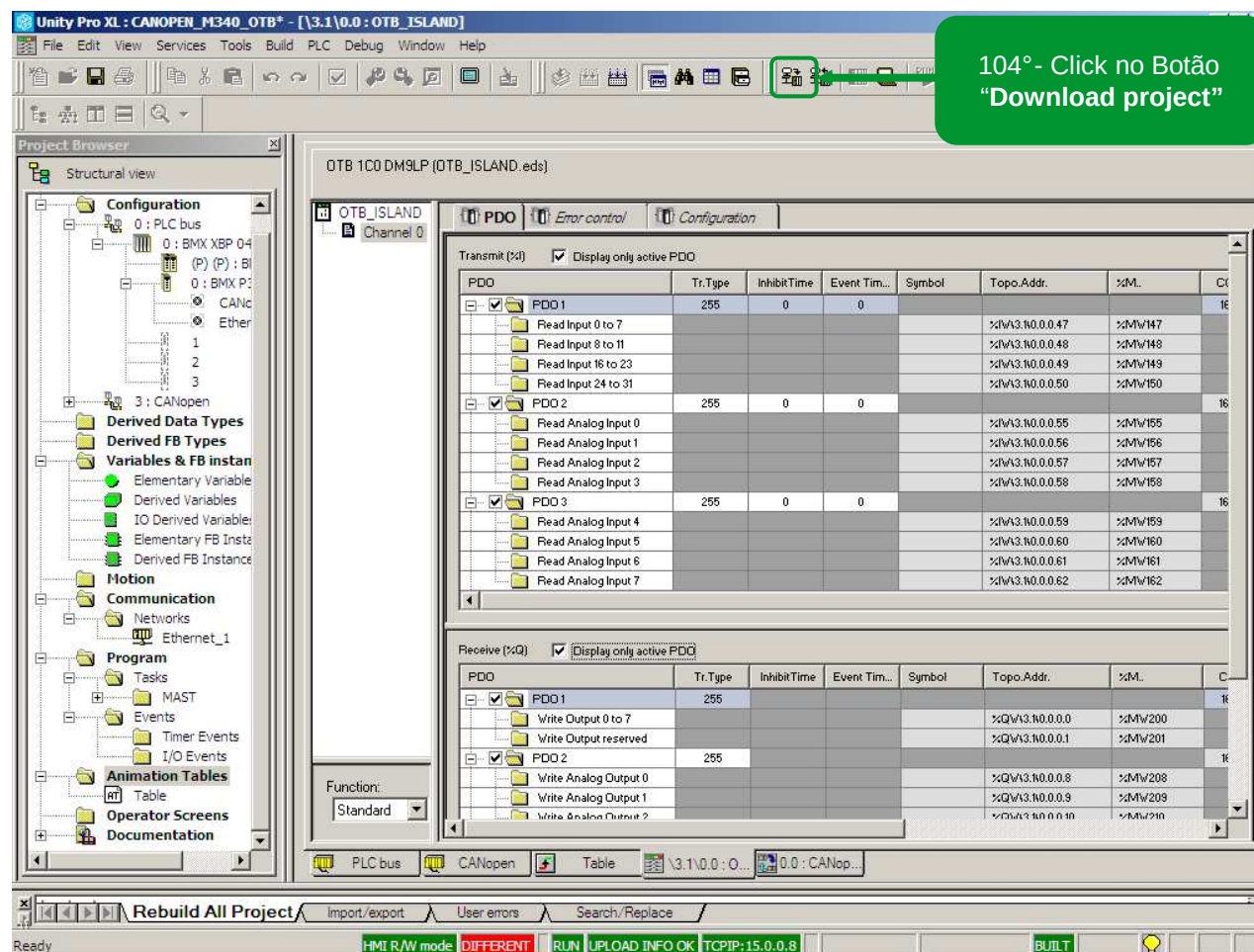
Ready HMI R/W mode OFFLINE USB:SYS BUILT

Configuração Unity Pro XL – M340

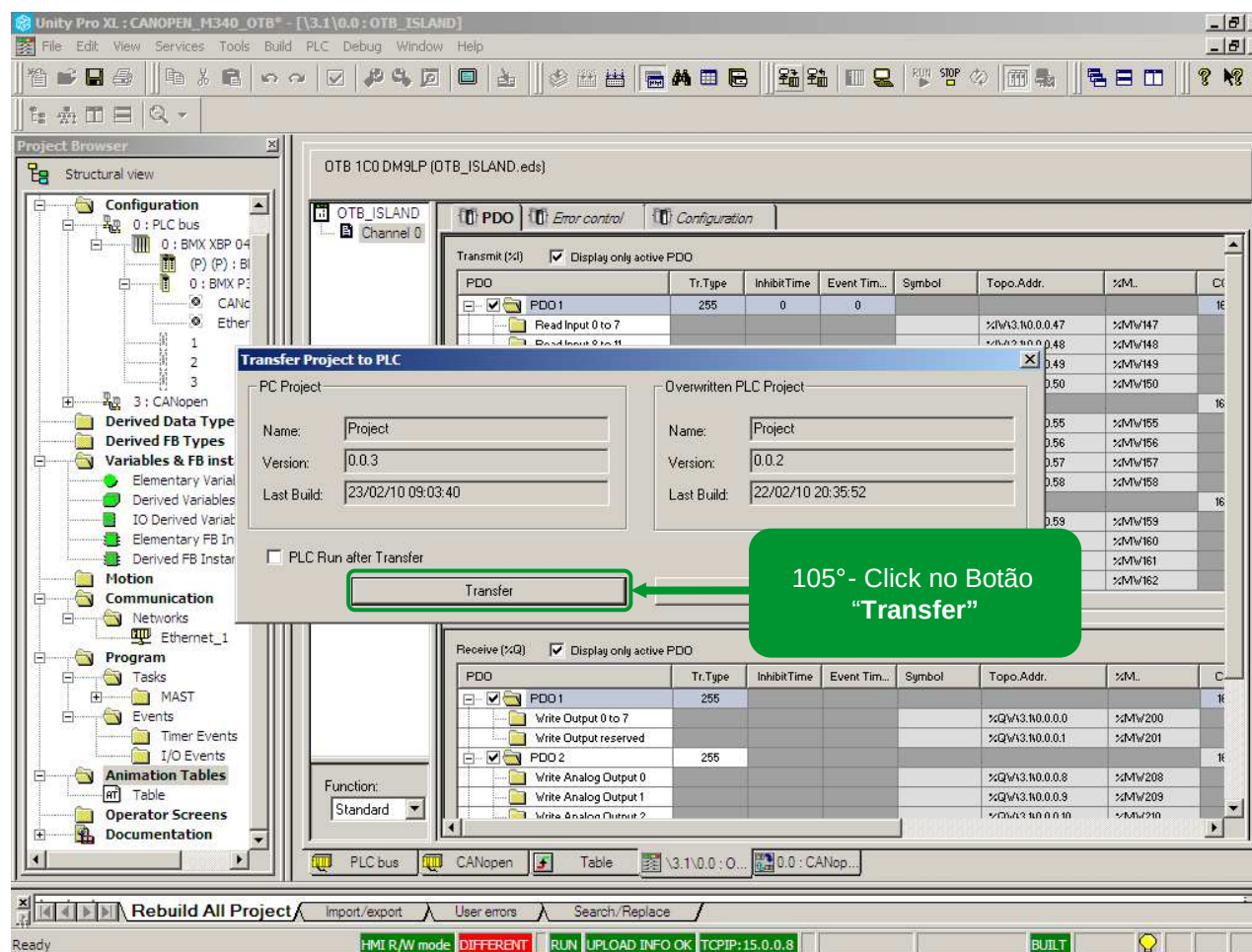


103° - Informa que a Aplicação é diferente que está no CLP "DIFFERENT"

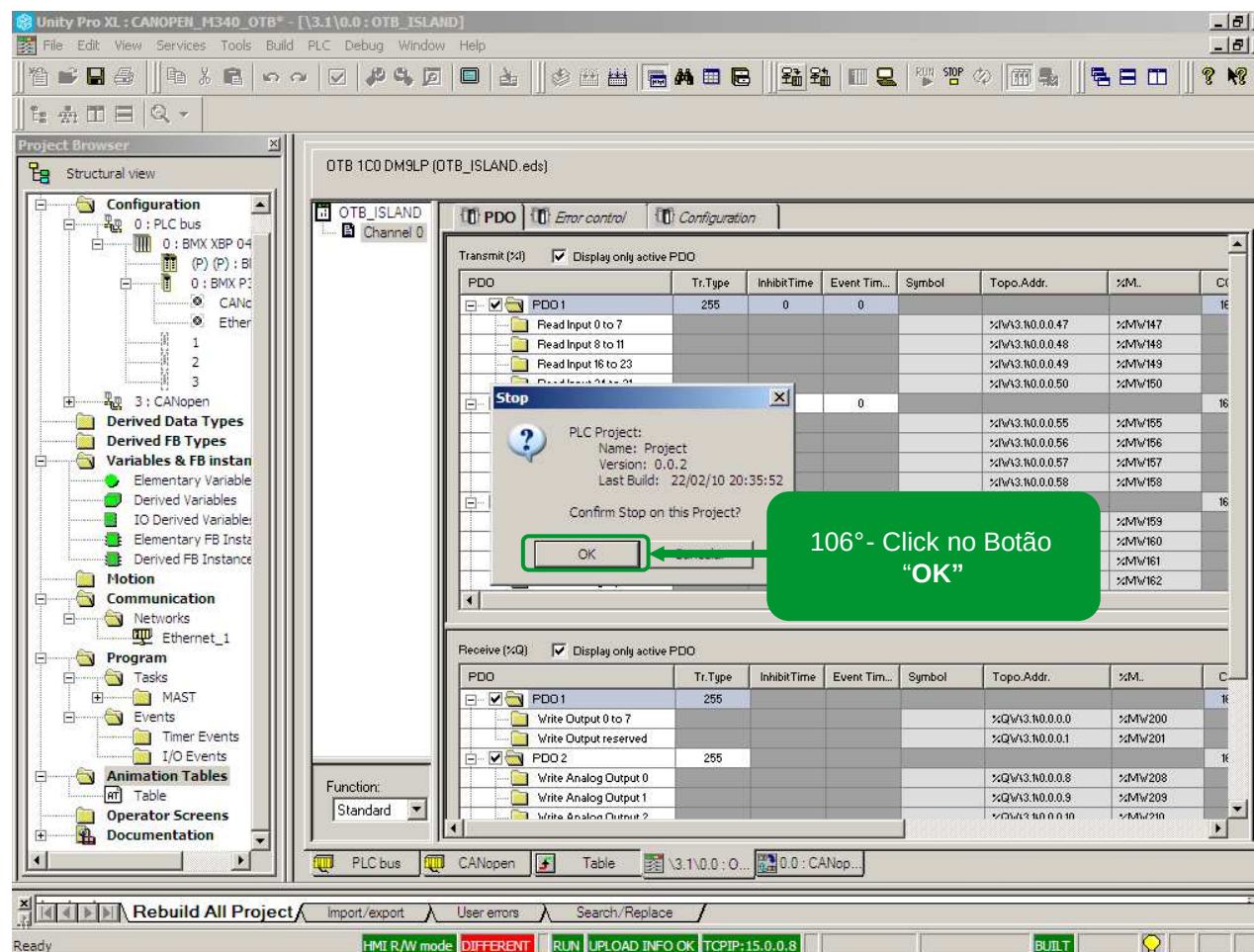
Configuração Unity Pro XL – M340



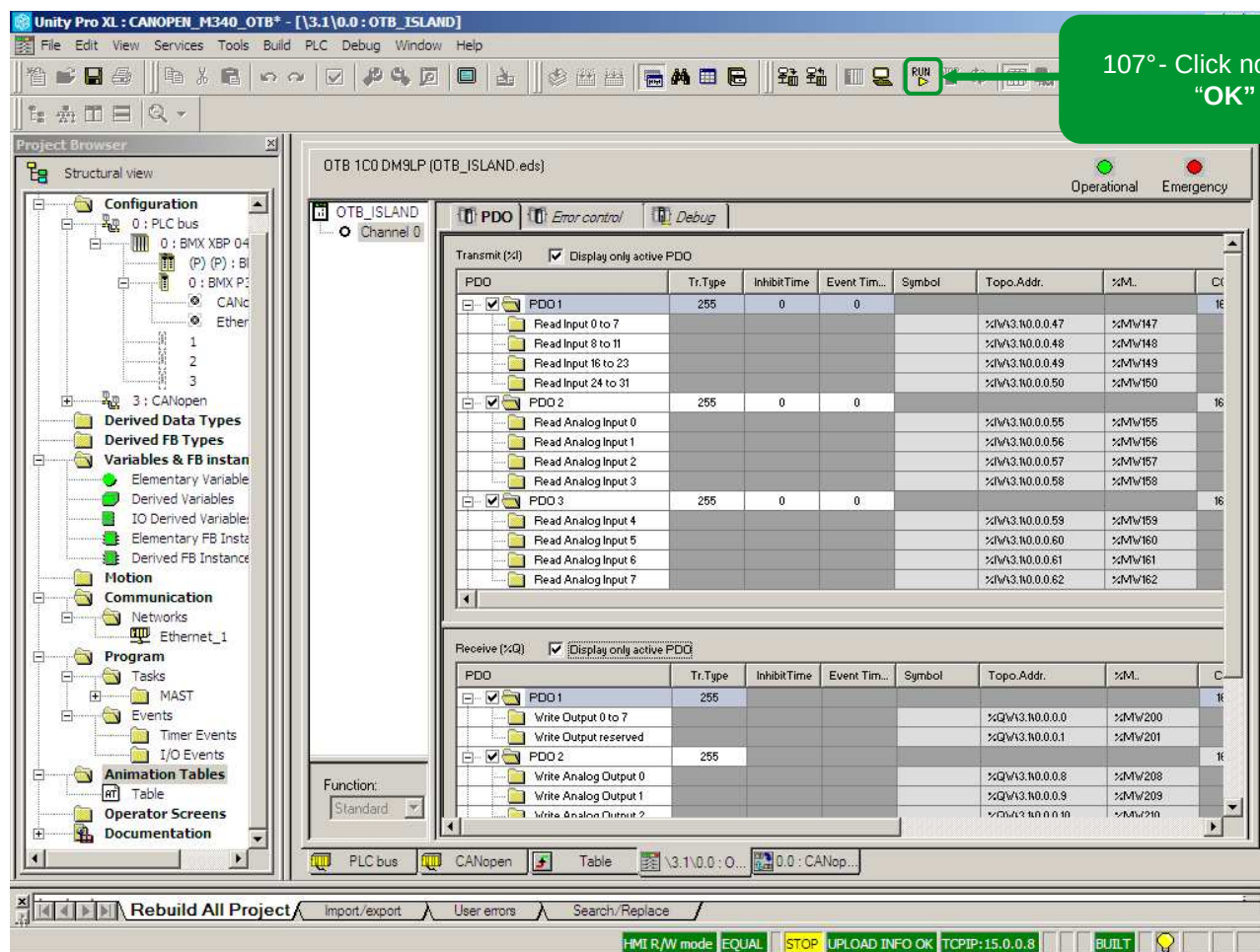
Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



107° - Click no Botão "OK"

OTB 1C0 DM9LP (OTB_ISLAND.ed)

Operational Emergency

Transmit (%I) ☒ Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.	C
☒ PDO1	255	0	0				16
Read Input 0 to 7				%IW13.N0.0.47	%Mv147		
Read Input 8 to 11				%IW13.N0.0.48	%Mv148		
Read Input 16 to 23				%IW13.N0.0.49	%Mv149		
Read Input 24 to 31				%IW13.N0.0.50	%Mv150		
☒ PDO2	255	0	0				16
Read Analog Input 0				%IW13.N0.0.55	%Mv155		
Read Analog Input 1				%IW13.N0.0.56	%Mv156		
Read Analog Input 2				%IW13.N0.0.57	%Mv157		
Read Analog Input 3				%IW13.N0.0.58	%Mv158		
☒ PDO3	255	0	0				16
Read Analog Input 4				%IW13.N0.0.59	%Mv159		
Read Analog Input 5				%IW13.N0.0.60	%Mv160		
Read Analog Input 6				%IW13.N0.0.61	%Mv161		
Read Analog Input 7				%IW13.N0.0.62	%Mv162		

Receive (%Q) ☒ Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.	C
☒ PDO1	255						16
Write Output 0 to 7				%QW13.N0.0.0	%Mv200		
Write Output reserved				%QW13.N0.0.1	%Mv201		
☒ PDO2	255						16
Write Analog Output 0				%QV13.N0.0.8	%Mv208		
Write Analog Output 1				%QV13.N0.0.9	%Mv209		
Write Analog Output 2				%QV13.N0.0.10	%Mv210		

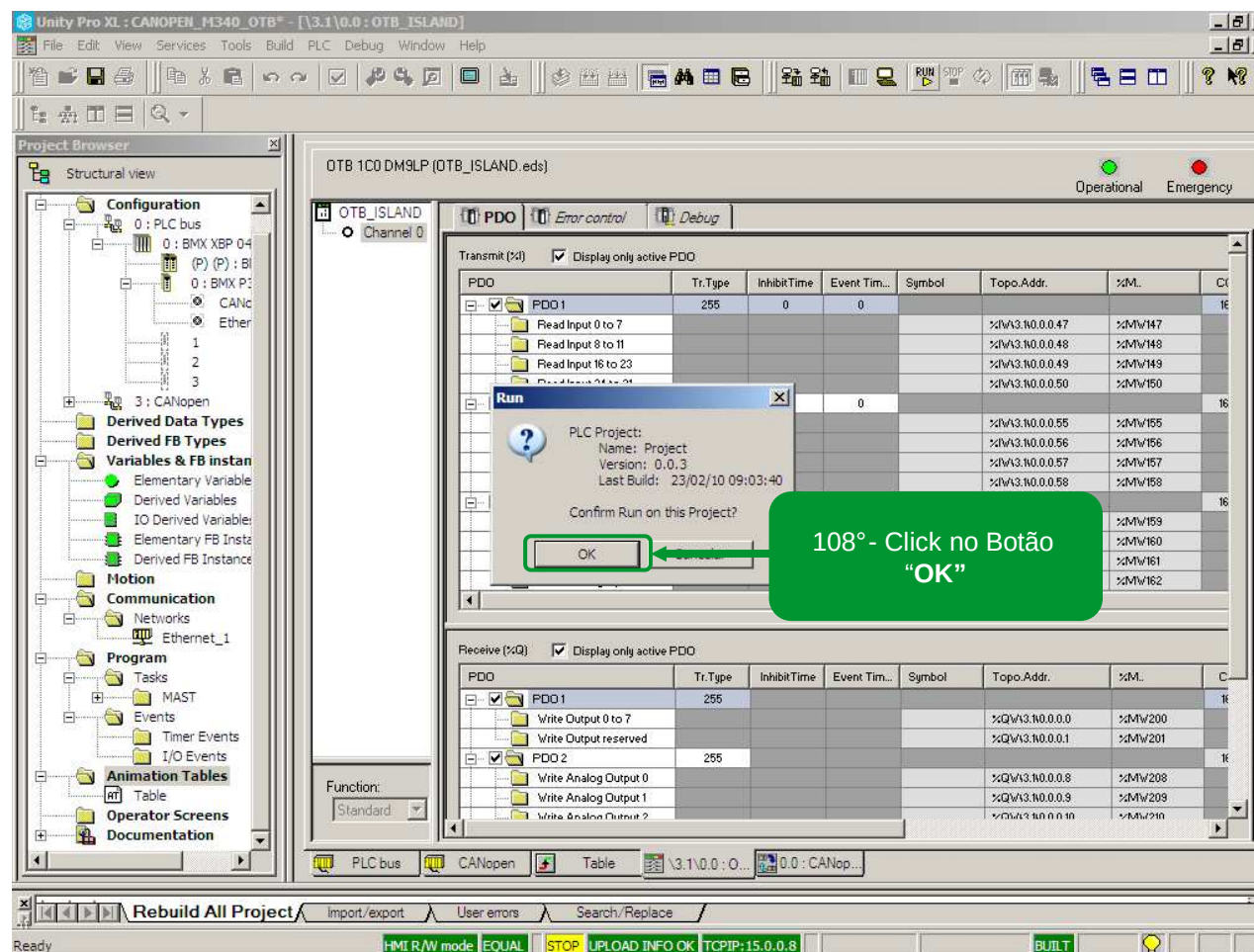
Function: Standard

PLC bus CANopen Table 3.1.0.0: 0.0: CANop...

Rebuild All Project Import/export User errors Search/Replace

HMI R/W mode EQUAL STOP UPLOAD INFO OK TCP/IP: 15.0.0.8 BUILT

Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340

The screenshot displays the Unity Pro XL software interface for configuring a CANopen M340 motor. The main workspace shows the PDO configuration table, which is divided into Transmit and Receive sections. A green callout box highlights the 'Emergency' signal configuration, which is set to 109°.

Transmit (%Q) Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.	C
PDO 1	255	0	0		%M3.N0.0.0.47	%Mv147	16
				Read Input 0 to 7			
				Read Input 8 to 11	%M3.N0.0.0.48	%Mv148	
				Read Input 16 to 23	%M3.N0.0.0.49	%Mv149	
				Read Input 24 to 31	%M3.N0.0.0.50	%Mv150	
PDO 2	255	0	0				16
				Read Analog Input 0	%M3.N0.0.0.55	%Mv155	
				Read Analog Input 1	%M3.N0.0.0.56	%Mv156	
				Read Analog Input 2	%M3.N0.0.0.57	%Mv157	
				Read Analog Input 3	%M3.N0.0.0.58	%Mv158	
PDO 3	255	0	0				16
				Read Analog Input 4	%M3.N0.0.0.59	%Mv159	
				Read Analog Input 5	%M3.N0.0.0.60	%Mv160	
				Read Analog Input 6	%M3.N0.0.0.61	%Mv161	
				Read Analog Input 7	%M3.N0.0.0.62	%Mv162	

Receive (%Q) Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M.	C
PDO 1	255				%QV3.N0.0.0.0	%Mv200	16
				Write Output 0 to 7			
				Write Output reserved	%QV3.N0.0.0.1	%Mv201	
PDO 2	255						16
				Write Analog Output 0	%QV3.N0.0.0.8	%Mv208	
				Write Analog Output 1	%QV3.N0.0.0.9	%Mv209	
				Write Analog Output 2	%QV3.N0.0.0.10	%Mv210	

The status bar at the bottom shows the system is in 'HMI R/W mode' and 'RUN' state, with 'UPLOAD INFO OK' and 'TCP/IP: 15.0.0.8'.

Configuração Unity Pro XL – M340

Unity Pro XL: CANOPEN_M340_OTB* - [3.1\0.0 : OTB_ISLAND]

File Edit View Services Tools Build PLC Debug Window Help

Project Browser

Structural view

Configuration

- 0 : PLC bus
 - 0 : BMX XBP 04
 - (P) : BMX P...
 - 0 : BMX P...
 - CANopen
 - Ethernet
- 1
- 2
- 3

3 : CANopen

- Derived Data Types
- Derived FB Types
- Variables & FB Instances
 - Elementary Variable
 - Derived Variables
 - IO Derived Variables
 - Elementary FB Instance
 - Derived FB Instance
- Motion
- Communication
 - Networks
 - Ethernet_1
- Program
 - Tasks
 - MAST
 - Events
 - Timer Events
 - I/O Events
- Animation Tables
 - Table
- Operator Screens
- Documentation

OTB 1C0 DM9LP (OTB_ISLAND.edi)

OTB_ISLAND

Channel 0

Operational Emergency

Transmit (%I) ☒ Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M...	C...
☒ PDO 1	255	0	0				16
Read Input 0 to 7				%IW3.N0.0.47	%Mv147		
Read Input 8 to 11				%IW3.N0.0.48	%Mv148		
Read Input 16 to 23				%IW3.N0.0.49	%Mv149		
Read Input 24 to 31				%IW3.N0.0.50	%Mv150		
☒ PDO 2	255	0	0				16
Read Analog Input 0				%IW3.N0.0.55	%Mv155		
Read Analog Input 1				%IW3.N0.0.56	%Mv156		
Read Analog Input 2				%IW3.N0.0.57	%Mv157		
Read Analog Input 3				%IW3.N0.0.58	%Mv158		
☒ PDO 3	255	0	0				16
Read Analog Input 4				%IW3.N0.0.59	%Mv159		
Read Analog Input 5				%IW3.N0.0.60	%Mv160		
Read Analog Input 6				%IW3.N0.0.61	%Mv161		
Read Analog Input 7				%IW3.N0.0.62	%Mv162		

Receive (%Q) ☒ Display only active PDO

PDO	Tr.Type	InhibitTime	Event Tim...	Symbol	Topo.Addr.	%M...	C...
☒ PDO 1	255						16
Write Output 0 to 7				%QW3.N0.0.0	%Mv200		
Write Output reserved				%QW3.N0.0.1	%Mv201		
☒ PDO 2	255						16
Write Analog Output 0				%QW3.N0.0.8	%Mv208		
Write Analog Output 1				%QW3.N0.0.9	%Mv209		
Write Analog Output 2				%QW3.N0.0.10	%Mv210		

Function: ...

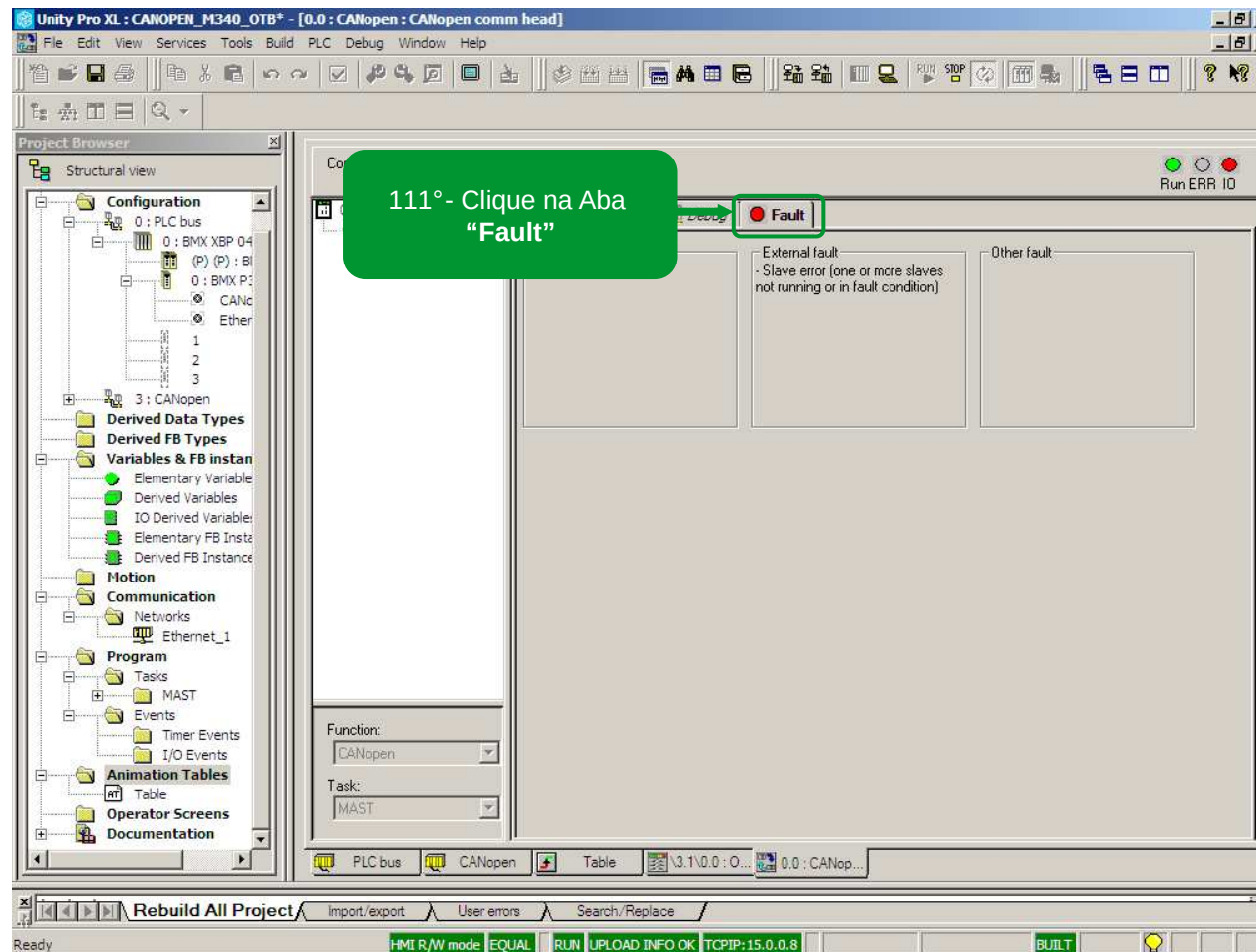
0.0 : CANop...

Rebuild All Project

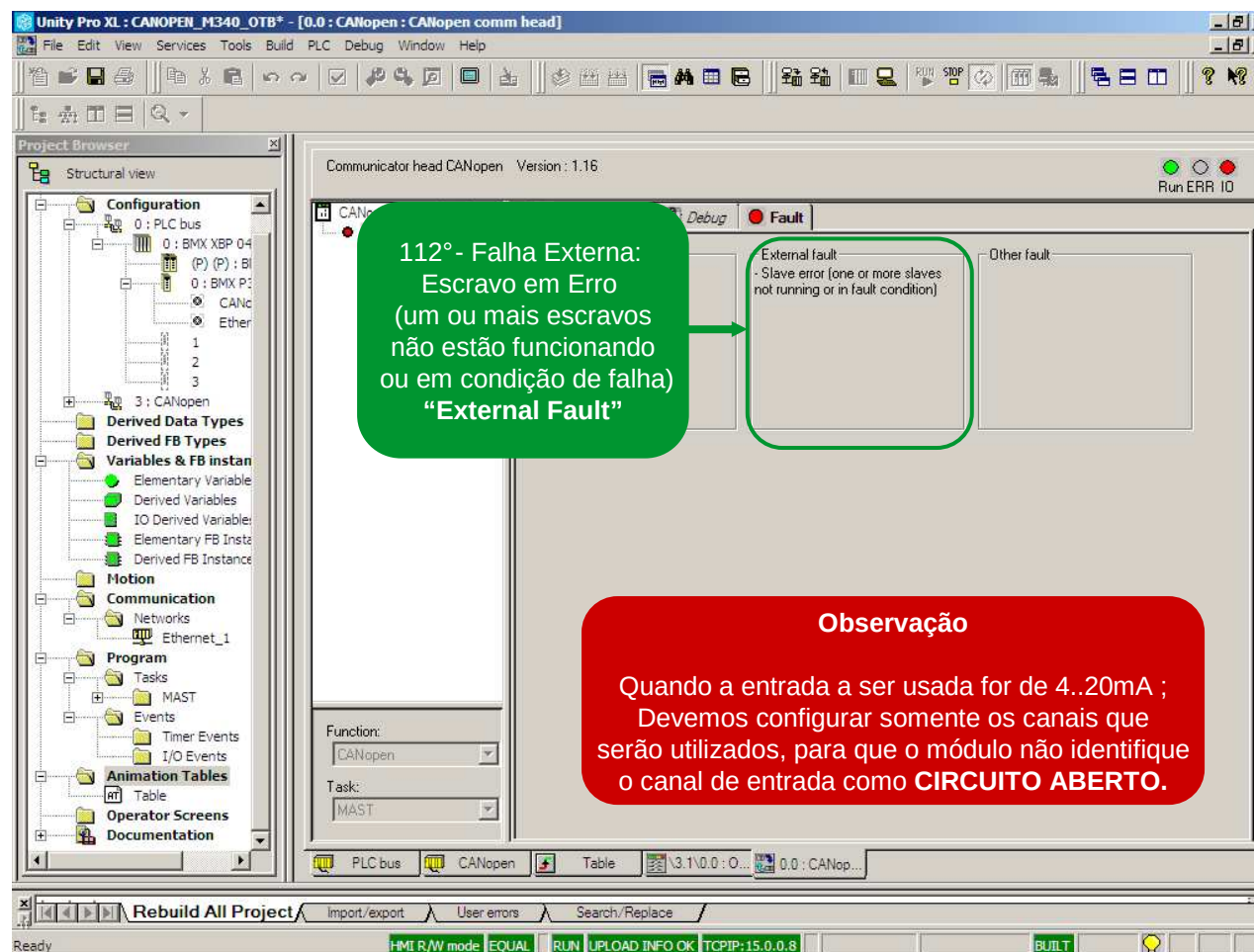
Ready HMI R/W mode EQUAL RUN UPLOAD INFO OK TCP/IP: 15.0.0.8 BUILT

110° - Clique na Aba "CANop..."

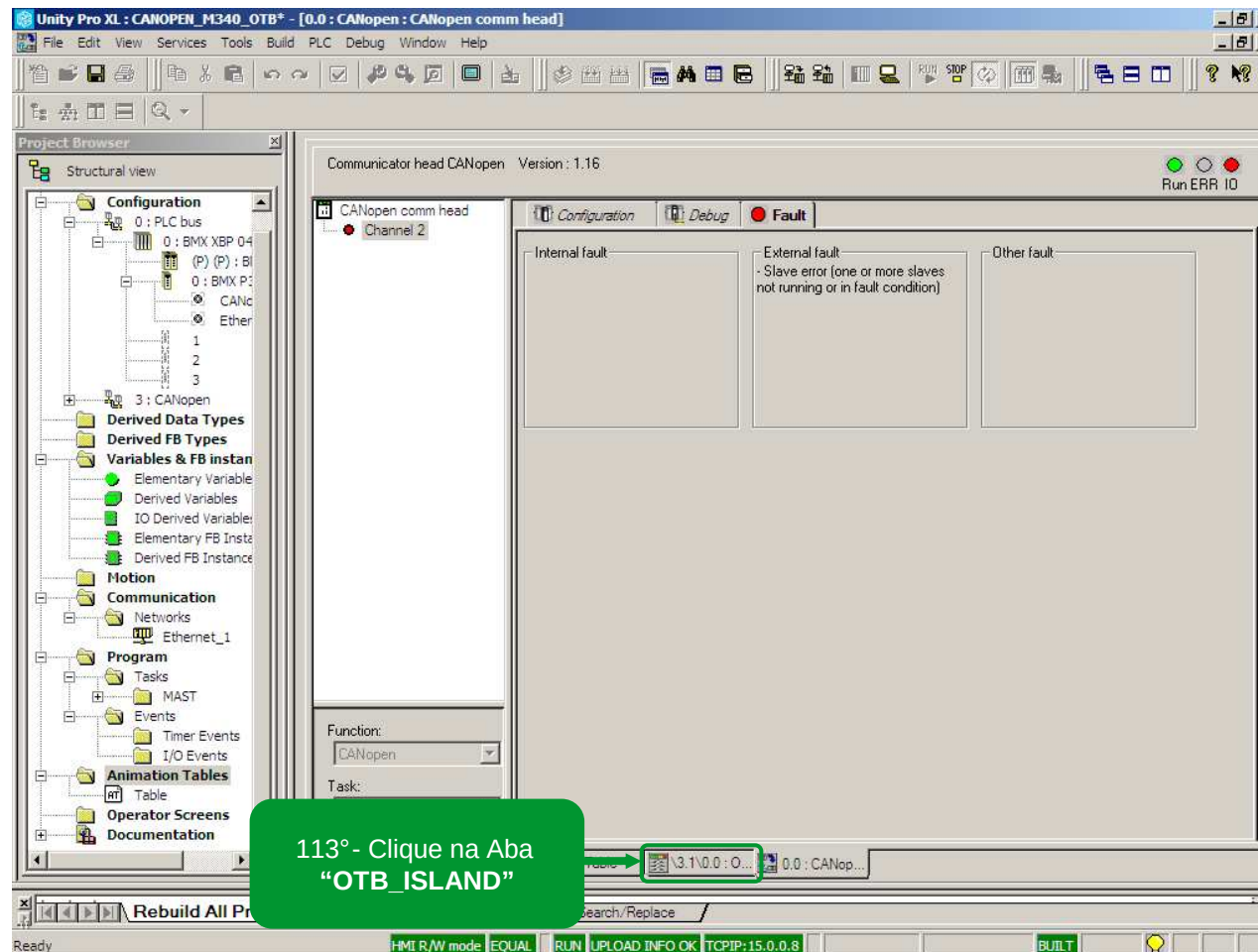
Configuração Unity Pro XL – M340



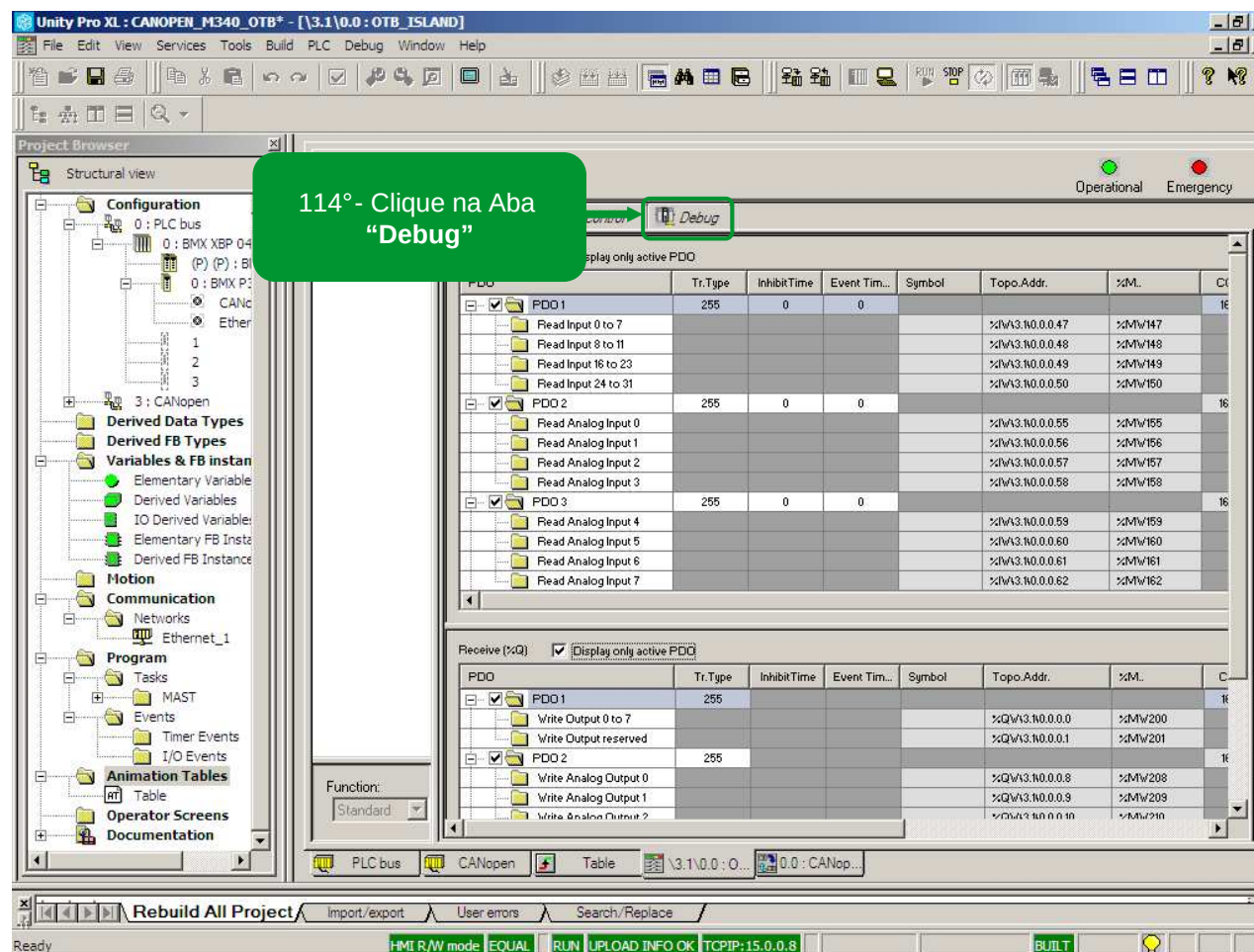
Configuração Unity Pro XL – M340



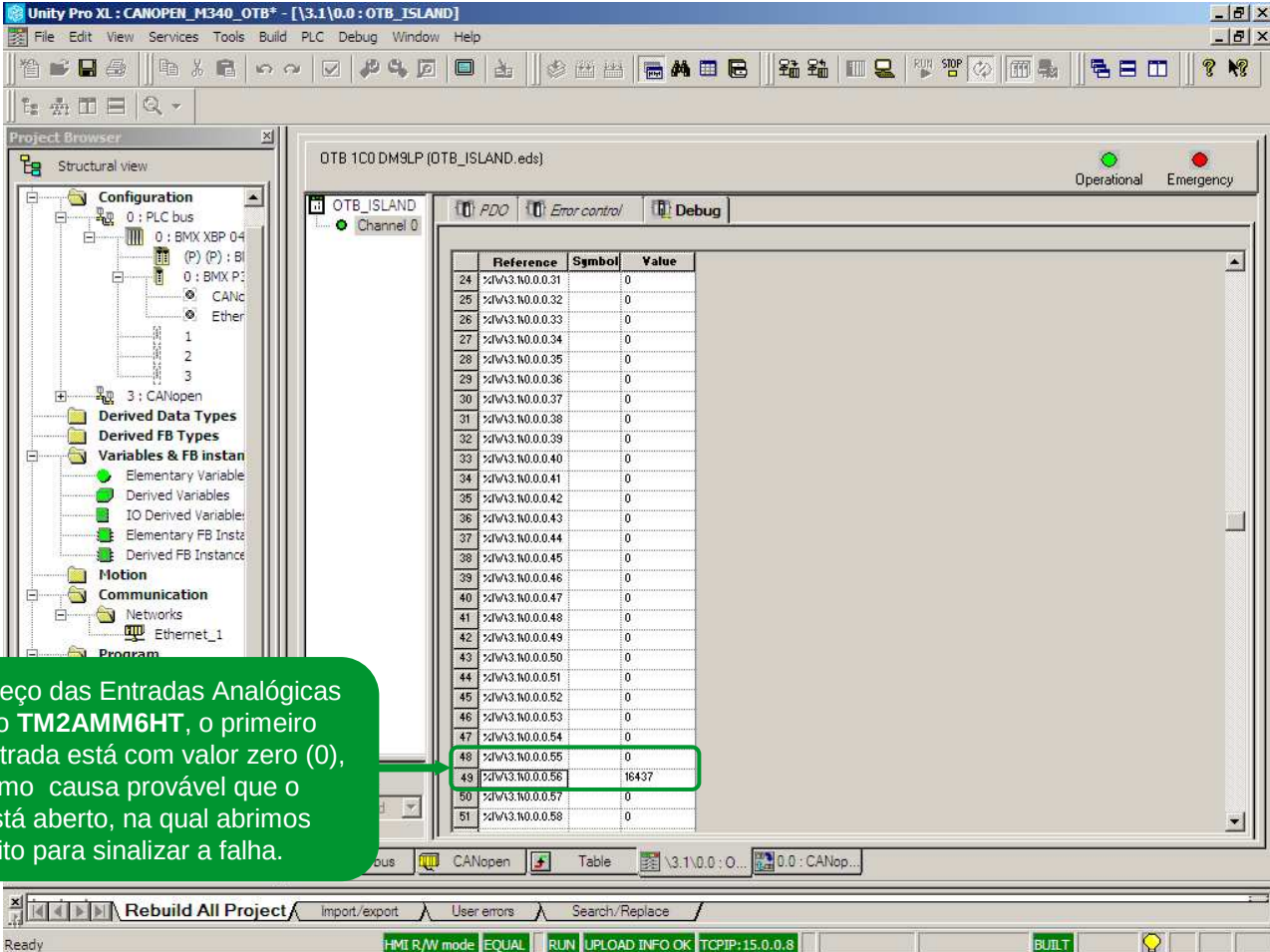
Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



Configuração Unity Pro XL – M340



115°- Endereço das Entradas Analógicas do Módulo **TM2AMM6HT**, o primeiro Canal da entrada está com valor zero (0), tendo como causa provável que o circuito está aberto, na qual abrimos o circuito para sinalizar a falha.

Reference	Symbol	Value
24	%IW13.N0.0.31	0
25	%IW13.N0.0.32	0
26	%IW13.N0.0.33	0
27	%IW13.N0.0.34	0
28	%IW13.N0.0.35	0
29	%IW13.N0.0.36	0
30	%IW13.N0.0.37	0
31	%IW13.N0.0.38	0
32	%IW13.N0.0.39	0
33	%IW13.N0.0.40	0
34	%IW13.N0.0.41	0
35	%IW13.N0.0.42	0
36	%IW13.N0.0.43	0
37	%IW13.N0.0.44	0
38	%IW13.N0.0.45	0
39	%IW13.N0.0.46	0
40	%IW13.N0.0.47	0
41	%IW13.N0.0.48	0
42	%IW13.N0.0.49	0
43	%IW13.N0.0.50	0
44	%IW13.N0.0.51	0
45	%IW13.N0.0.52	0
46	%IW13.N0.0.53	0
47	%IW13.N0.0.54	0
48	%IW13.N0.0.55	0
49	%IW13.N0.0.56	16437
50	%IW13.N0.0.57	0
51	%IW13.N0.0.58	0

Configuração Unity Pro XL – M340

116° - Endereço das Entradas Analógicas do Módulo **TM2AMM6HT**, o primeiro Canal da entrada está com valor treze (13), e estamos passando uma corrente de 4mA.

Reference	Symbol	Value
24	%IW13.N0.0.31	0
25	%IW13.N0.0.32	0
26	%IW13.N0.0.33	0
27	%IW13.N0.0.34	0
28	%IW13.N0.0.35	0
29	%IW13.N0.0.36	0
30	%IW13.N0.0.37	0
31	%IW13.N0.0.38	0
32	%IW13.N0.0.39	0
33	%IW13.N0.0.40	0
34	%IW13.N0.0.41	0
35	%IW13.N0.0.42	0
36	%IW13.N0.0.43	0
37	%IW13.N0.0.44	0
38	%IW13.N0.0.45	0
39	%IW13.N0.0.46	0
40	%IW13.N0.0.47	0
41	%IW13.N0.0.48	0
42	%IW13.N0.0.49	0
43	%IW13.N0.0.50	0
44	%IW13.N0.0.51	0
45	%IW13.N0.0.52	0
46	%IW13.N0.0.53	0
47	%IW13.N0.0.54	0
48	%IW13.N0.0.55	13
49	%IW13.N0.0.56	16435
50	%IW13.N0.0.57	0
51	%IW13.N0.0.58	0

Configuração Unity Pro XL – M340

117° - Sem a sinalização "Emergency"

Reference	Symbol	Value
24	%I13.N0.0.31	0
25	%I13.N0.0.32	0
26	%I13.N0.0.33	0
27	%I13.N0.0.34	0
28	%I13.N0.0.35	0
29	%I13.N0.0.36	0
30	%I13.N0.0.37	0
31	%I13.N0.0.38	0
32	%I13.N0.0.39	0
33	%I13.N0.0.40	0
34	%I13.N0.0.41	0
35	%I13.N0.0.42	0
36	%I13.N0.0.43	0
37	%I13.N0.0.44	0
38	%I13.N0.0.45	0
39	%I13.N0.0.46	0
40	%I13.N0.0.47	0
41	%I13.N0.0.48	0
42	%I13.N0.0.49	0
43	%I13.N0.0.50	0
44	%I13.N0.0.51	0
45	%I13.N0.0.52	0
46	%I13.N0.0.53	0
47	%I13.N0.0.54	0
48	%I13.N0.0.55	0
49	%I13.N0.0.56	0
50	%I13.N0.0.57	0
51	%I13.N0.0.58	0

Observação

Quando a entrada a ser usada for de 4..20mA ;
Devemos configurar somente os canais que
serão utilizados, para que o módulo não identifique
o canal de entrada como **CIRCUITO ABERTO**.

Configuração CANopen M340 e OTB1C0DM9LP



FIM

Schneider
Electric