

SCREEN CONTROL

Web Info:

http://192.168.0.100

user password: TVETuser

admin password: TVETadmin

Project Summary:  
Test basic functionality of the Breakout Board's Inputs & Outputs.  
Analog & Digital Inputs are used to action the Digital Outputs.

Since there are 12 Inputs & only 8 Outputs - Inputs 5 to 8 are not connected to any outputs in the program logic.

1st 4 LOGOI Inputs --> LOGOI Outputs,  
Expansion Card Inputs --> Expansion Card Outputs.

Screen Selection:  
TDE F-Keys are used to select 'testing modes'.

F1 - Home Screen  
F2 - Digital I/O Screen

| C-Key Right (>) -- Next  
| C-Key Left (<) ---- Back

F3 - Analog I/O Screen

Note: for the C-keys to be used as PB inputs, the ESC key MUST be pressed WHILE pressing a C-key.

I/O Mappings:

Built-In I/O

In1 --> Out1

In2 --> Out2

In3 --> Out3

In4 --> Out4

In5 --> NC

In6 --> NC

In7 --> NC

In8 --> NC

In9 --> Out5

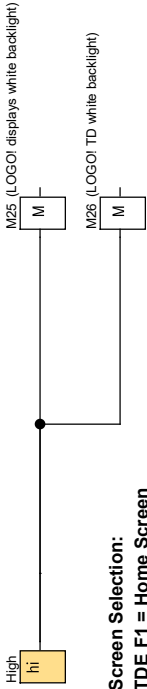
In10 --> Out6

In11 --> Out7

In12 --> Out8

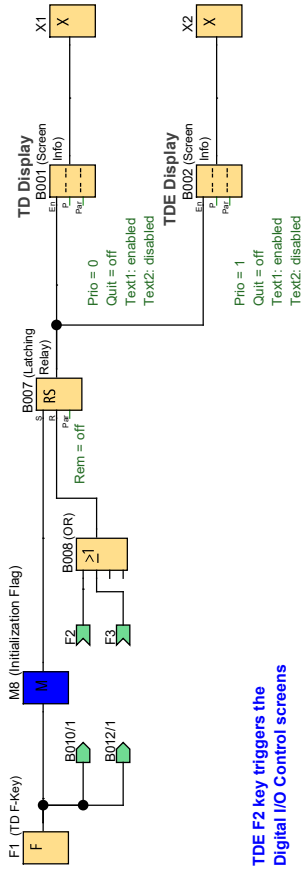
Allows the outputs to only be used by Digital Inputs while in 'Digital I/O Control Mode'

Allows the outputs to only be used by Analog Inputs while in 'Analog I/O Control Mode'



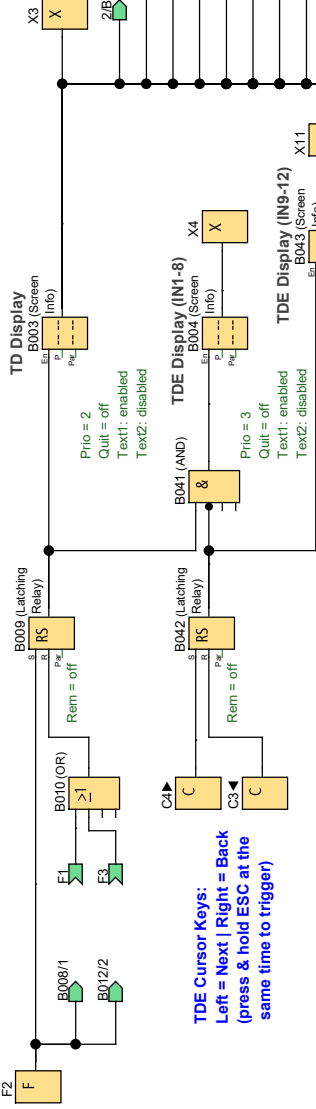
Screen Selection:  
TDE F1 = Home Screen  
TDE F2 = Digital I/O Control Screen  
TDE F3 = Analog I/O Control Screen

LOGOI Init or TDE F1 key  
triggers the Home screens



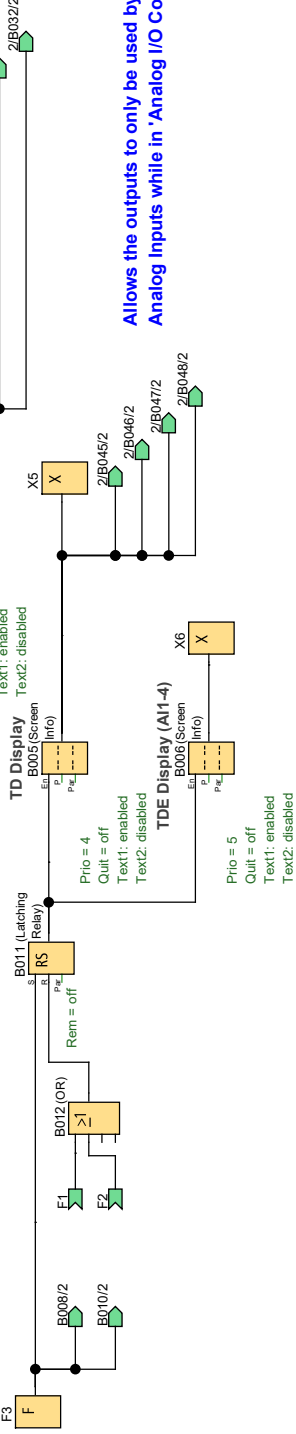
No outputs are enabled for use while in the Home Screen

TDE F2 key triggers the Digital I/O Control screens



TDE Cursor Keys:  
Left = Next | Right = Back  
(press & hold ESC at the same time to trigger)

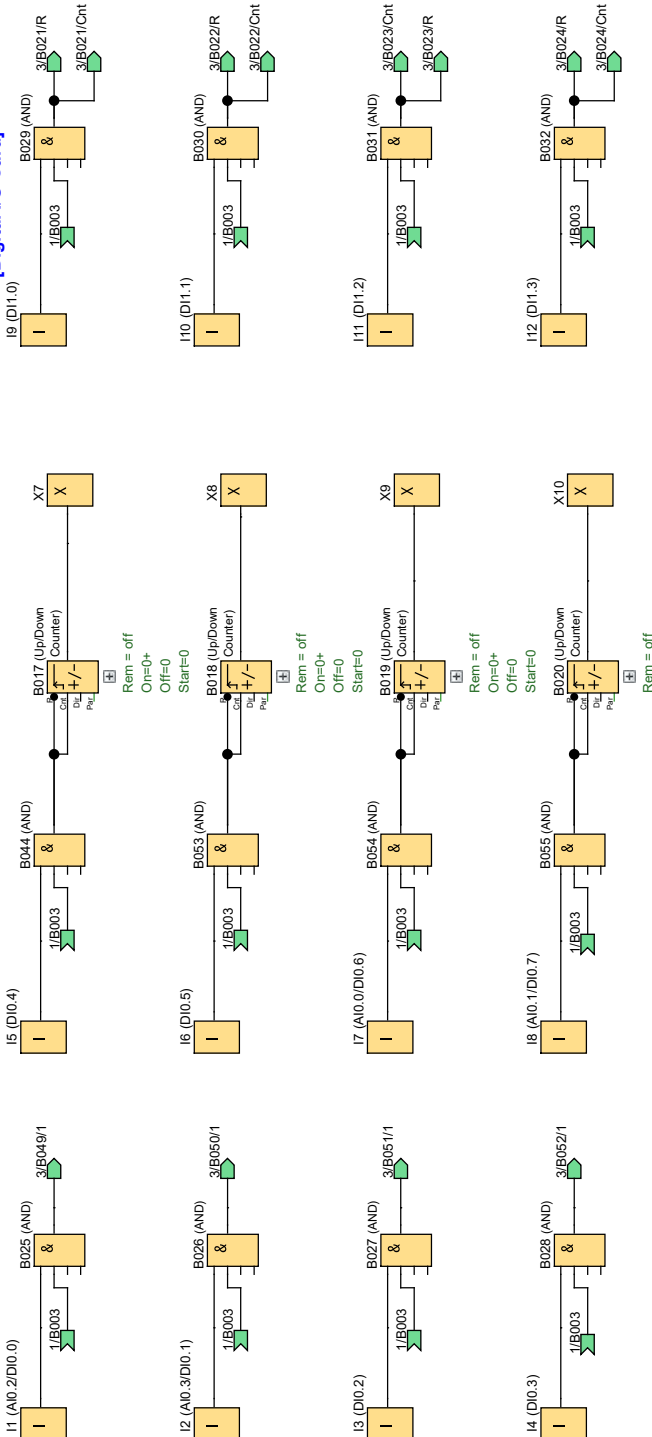
TDE F3 key triggers the Analog I/O Control screens



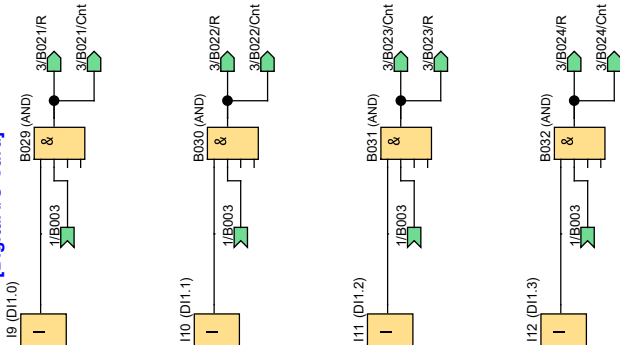
Creator:	Admin	Project:	Basic IO Control	Customer:	TVET
Checked:		Installation:		Diagram No.:	
Date:	7/25/25 9:58 AM/8/15/25 11:37 AM	File:	LOGOI FBD.lsc	Page:	1 / 12

DIGITAL INPUT CONTROL (inputs assigned as momentary PB's for simulation)

DI0.0 (I1) to DI0.3 (I4) [LOGO! Built-In] DI0.5 (I5) to DI1.7 (I8)

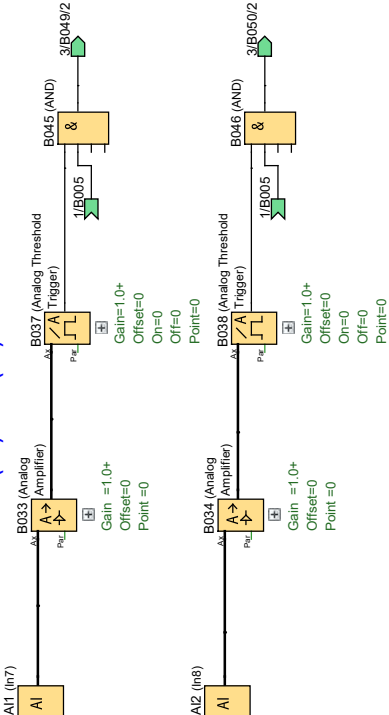


DI1.0 (I9) to DI1.3 (I12)  
[Digital I/O Card]

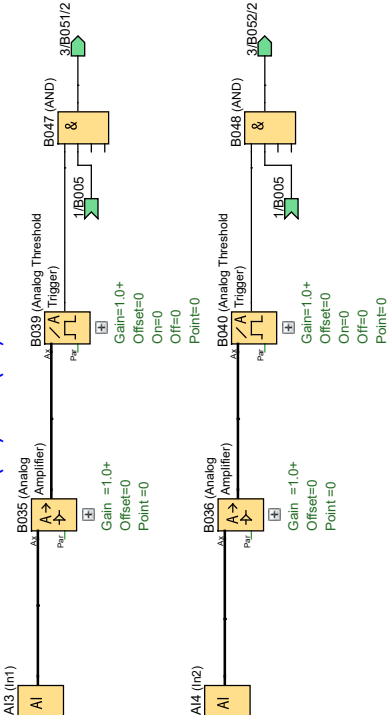


ANALOG INPUT CONTROL (assigned starting values for simulation)

AI1 (In7) & AI2 (In8)



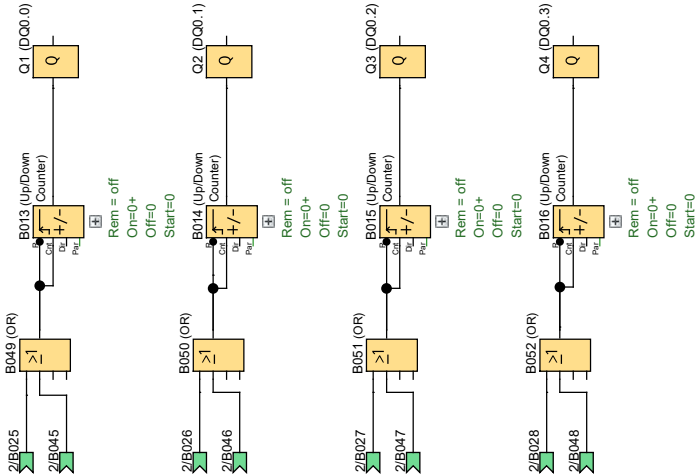
AI3 (In1) & AI4 (In2)



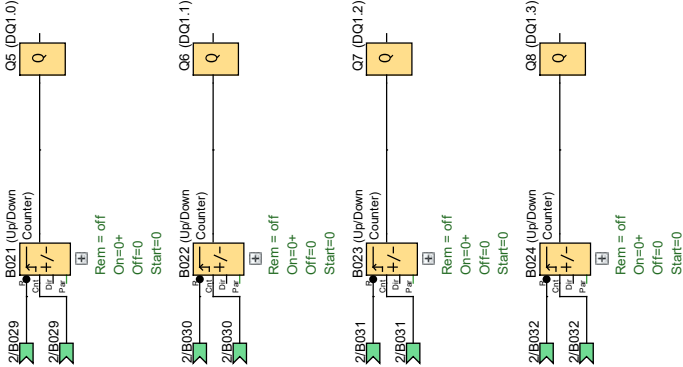
Creator:	Admin	Project:	Basic IO Control	Customer:	TWET
Checked:		Installation:		Diagram No.:	
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OUTPUT CONTROL

DQ0.0 (Q1) to DQ0.3 (Q4)  
[LOGO! Built-In]



DQ1.0 (Q5) to DQ1.3 (Q8)  
[Digital I/O Card]



Creator:	Admin	Project:	Basic IO Control	Customer:	TWET
Checked:		Installation:		Diagram No.:	
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Block Number (Type)			Parameter			
AI1(Analog input) : (In7)						
AI2(Analog input) : (In8)						
AI3(Analog input) : (In1)						
AI4(Analog input) : (In2)						
B001(Message texts) : (Screen Info)			Prio = 0 Quit = off Text1: enabled Text2: disabled			
<div><div><div>B001 - Current date</div><div>August15,2025</div></div><div><div>B001 - Current time</div><div>9:41:34 AM CA</div></div><div>IP : 192 . 168 . 0 . 100</div><div>LOGO! _ TRAINING</div><div>BREAKOUT _ BOARD</div><div>BASIC _ I / O _ CTRL</div></div> <div>--&gt; Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - LOGO! Display</div>			Line1.1 B001-Date Line2.1 B001-Time			
B002(Message texts) : (Screen Info)			Prio = 1 Quit = off Text1: enabled Text2: disabled			
<div><div>IP : 192 . 168 . 0 . 110</div><div>USE _ THE _ F - KEYS _ TO</div><div>TO _ NAVIGATE _ SCREENS</div><div>F1 - HOME</div><div>F2 - DIGITAL _ I / O</div><div>F3 - ANALOG _ I / O</div></div> <div>--&gt; Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - LOGO! TD</div>						
Creator:	Admin	Compuscan Manufacturing	Project:	Basic IO Control	Customer:	TVET
Checked:			Installation:		Diagram No.:	
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Block Number (Type)				Parameter			
<div>B003(Message texts) : (Screen Info)</div> <div><div><div><div>...</div><div>B003 - Current date</div><div>...</div><div>August15,2025</div></div><div><div>...</div><div>B003 - Current time</div><div>...</div><div>9:41:34 AM CA</div></div><div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div></div><div><div>D</div><div>I</div><div>G</div><div>I</div><div>T</div><div>A</div><div>L</div><div>_</div><div>I</div><div>/</div><div>O</div></div><div><div>C</div><div>O</div><div>N</div><div>T</div><div>R</div><div>O</div><div>L</div><div>_</div><div>M</div><div>O</div><div>D</div><div>E</div></div><div><div>S</div><div>E</div><div>L</div><div>E</div><div>C</div><div>T</div><div>E</div><div>D</div></div></div></div> <div>Line1.1 B003-Date Line2.1 B003-Time</div>				<div>Prio = 2 Quit = off Text1: enabled Text2: disabled</div> <div>--&gt; Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - LOGO! Display</div>			
<div>B004(Message texts) : (Screen Info)</div> <div><div><div><div>...</div><div>B004 - Current date</div><div>...</div><div>August15,2025</div></div><div><div>...</div><div>B004 - Current ti...</div><div>...</div><div>9:41:34 AM ..</div></div><div>D</div><div>I</div><div>G</div><div>I</div><div>T</div><div>A</div><div>L</div><div>_</div><div>I</div><div>/</div><div>O</div><div>_</div><div>C</div><div>O</div><div>N</div><div>T</div><div>R</div><div>O</div><div>L</div></div><div><div>I</div><div>0</div><div>1</div><div>↕</div><div>B013 - Cou...</div><div>+/-</div><div>0</div><div> </div><div>I</div><div>0</div><div>5</div><div>↕</div><div>B017 - Cou...</div><div>+/-</div><div>0</div></div><div><div>I</div><div>0</div><div>2</div><div>↕</div><div>B014 - Cou...</div><div>+/-</div><div>0</div><div> </div><div>I</div><div>0</div><div>6</div><div>↕</div><div>B018 - Cou...</div><div>+/-</div><div>0</div></div><div><div>I</div><div>0</div><div>3</div><div>↕</div><div>B015 - Cou...</div><div>+/-</div><div>0</div><div> </div><div>I</div><div>0</div><div>7</div><div>↕</div><div>B019 - Cou...</div><div>+/-</div><div>0</div></div><div><div>I</div><div>0</div><div>4</div><div>↕</div><div>B016 - Cou...</div><div>+/-</div><div>0</div><div> </div><div>I</div><div>0</div><div>8</div><div>↕</div><div>B020 - Cou...</div><div>+/-</div><div>0</div></div></div> <div>Line1.1 B004-Date Line1.13 B004-Time Line3.4 B013-Cnt Line3.15 B017-Cnt Line4.4 B014-Cnt Line4.15 B018-Cnt Line5.4 B015-Cnt Line5.15 B019-Cnt Line6.4 B016-Cnt Line6.15 B020-Cnt</div>				<div>Prio = 3 Quit = off Text1: enabled Text2: disabled</div> <div>--&gt; Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - LOGO! TD</div>			
Creator: Admin				Project: Basic_IO_Control			
Checked:				Installation:			
Date: 7/25/25 9:58 AM/8/15/25 11:37 AM				File: LOGO! FBD.lsc			
Compuscan Manufacturing				Customer: TVET			
				Diagram No.:			
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Block Number (Type)				Parameter				
B005(Message texts) : (Screen Info)				Prio = 4 Quit = off Text1: enabled Text2: disabled				
<div><div><div>... B005 - Current date</div><div>August15,2025</div></div><div><div>... B005 - Current time</div><div>9:41:34 AM CA</div></div><div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div><div>=</div></div><div><div>A</div><div>N</div><div>A</div><div>L</div><div>O</div><div>G</div><div>_</div><div>I</div><div>/</div><div>O</div></div><div><div>C</div><div>O</div><div>N</div><div>T</div><div>R</div><div>O</div><div>L</div><div>_</div><div>M</div><div>O</div><div>D</div><div>E</div></div><div><div>S</div><div>E</div><div>L</div><div>E</div><div>C</div><div>T</div><div>E</div><div>D</div></div></div> --> <div>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - LOGO! Display</div>				Line1.1 B005-Date Line2.1 B005-Time				
B006(Message texts) : (Screen Info)				Prio = 5 Quit = off Text1: enabled Text2: disabled				
<div><div><div>... B006 - Current date</div><div>August15,2025</div></div><div><div>... B006 - Current ti...</div><div>9:41:34 AM ..</div></div></div> <div><div>A</div><div>N</div><div>A</div><div>L</div><div>O</div><div>G</div><div>_</div><div>I</div><div>/</div><div>O</div><div>_</div><div>C</div><div>O</div><div>N</div><div>T</div><div>R</div><div>O</div><div>L</div></div> <div><div>A</div><div>I</div><div>1</div><div>m</div><div>V</div><div>Q</div></div> <div><div>A</div><div>I</div><div>2</div><div>m</div><div>V</div><div>Q</div></div> <div><div>A</div><div>I</div><div>3</div><div>m</div><div>V</div><div>Q</div></div> <div><div>A</div><div>I</div><div>4</div><div>m</div><div>V</div><div>Q</div></div> --> <div>Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - LOGO! TD</div>				Line1.1 B006-Date Line1.13 B006-Time				
B007(Latching Relay) : (Latching Relay)				Rem = off				
B008(OR) : (OR)								
B009(Latching Relay) : (Latching Relay)				Rem = off				
B010(OR) : (OR)								
B011(Latching Relay) : (Latching Relay)				Rem = off				
Creator:	Admin			Project:	Basic IO Control		Customer:	TVET
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Ticker setting  
- CBC  
- Line1: N  
- Line2: N  
- Line3: N  
- Line4: N  
- Line5: N  
- Line6: N  
Message Destination  
- LOGO! TD

Block Number (Type)			Parameter			
B012(OR) : (OR)						
B013(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B014(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B015(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B016(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B017(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B018(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B019(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B020(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B021(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B022(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B023(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
B024(Up/Down counter) : (Up/Down Counter)			Rem = off On=0+ Off=0 Start=0			
Creator:	Admin	Compuscan Manufacturing	Project:	Basic_IO_Control	Customer:	TVET
Checked:			Installation:		Diagram No.:	
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Block Number (Type)			Parameter			
B025(AND) : (AND)						
B026(AND) : (AND)						
B027(AND) : (AND)						
B028(AND) : (AND)						
B029(AND) : (AND)						
B030(AND) : (AND)						
B031(AND) : (AND)						
B032(AND) : (AND)						
B033(Analog Amplifier) : (Analog Amplifier)			Gain =1.0+ Offset=0 Point =0			
B034(Analog Amplifier) : (Analog Amplifier)			Gain =1.0+ Offset=0 Point =0			
B035(Analog Amplifier) : (Analog Amplifier)			Gain =1.0+ Offset=0 Point =0			
B036(Analog Amplifier) : (Analog Amplifier)			Gain =1.0+ Offset=0 Point =0			
B037(Analog threshold trigger) : (Analog Threshold Trigger)			Gain=1.0+ Offset=0 On=0 Off=0 Point=0			
B038(Analog threshold trigger) : (Analog Threshold Trigger)			Gain=1.0+ Offset=0 On=0 Off=0 Point=0			
B039(Analog threshold trigger) : (Analog Threshold Trigger)			Gain=1.0+ Offset=0 On=0 Off=0 Point=0			
Creator:	Admin	Compuscan Manufacturing	Project:	Basic_IO_Control	Customer:	TVET
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Block Number (Type)			Parameter			
B040(Analog threshold trigger) : (Analog Threshold Trigger)			Gain=1.0+ Offset=0 On=0 Off=0 Point=0			
B041(AND) : (AND)						
B042(Latching Relay) : (Latching Relay)			Rem = off			
B043(Message texts) : (Screen Info)			Prio = 6 Quit = off Text1: enabled Text2: disabled			
<div><div><div><div><div>...</div><div>B043 - Current date</div><div>...</div></div><div><div>...</div><div>B043 - Current time</div><div>...</div></div></div><div><div>August15,2025</div><div>9:41:34 AM ..</div></div></div><div>DIGITAL_I/O_CONTROL</div><div><div><div>I 0 9</div><div><div>↕</div><div>B021 - Cou...</div><div>+/-0</div></div></div><div><div>I 1 0</div><div><div>↕</div><div>B022 - Cou...</div><div>+/-0</div></div></div><div><div>I 1 1</div><div><div>↕</div><div>B023 - Cou...</div><div>+/-0</div></div></div><div><div>I 1 2</div><div><div>↕</div><div>B024 - Cou...</div><div>+/-0</div></div></div></div></div> <div>--&gt; Ticker setting - CBC - Line1: N - Line2: N - Line3: N - Line4: N - Line5: N - Line6: N Message Destination - LOGO! TD</div>						
Line1.1 B043-Date Line1.13 B043-Time Line3.9 B021-Cnt Line4.9 B022-Cnt Line5.9 B023-Cnt Line6.9 B024-Cnt						
B044(AND) : (AND)						
B045(AND) : (AND)						
B046(AND) : (AND)						
B047(AND) : (AND)						
B048(AND) : (AND)						
B049(OR) : (OR)						
B050(OR) : (OR)						
B051(OR) : (OR)						
Creator:	Admin	Compuscan Manufacturing	Project:	Basic_IO_Control	Customer:	TVET
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Block Number (Type)			Parameter			
B052(OR) : (OR)						
B053(AND) : (AND)						
B054(AND) : (AND)						
B055(AND) : (AND)						
F1(LOGO! TD Function key) : (TD F-Key)						

Connection	Label					
AI1						
AI2						
AI3						
AI4						
C3◀						
C4▶						
F1						
F2						
F3						
I1	AI0.2/DI0.0					
I2	AI0.3/DI0.1					
I3	DI0.2					
I4	DI0.3					
I5	DI0.4					
I6	DI0.5					
I7	AI0.0/DI0.6					
I8	AI0.1/DI0.7					
I9	DI1.0					
I10	DI1.1					
I11	DI1.2					
I12	DI1.3					
M8	Initialization Flag					
M25	LOGO! displays white backlight					
M26	LOGO! TD white backlight					
Q1	DQ0.0					
Q2	DQ0.1					
Q3	DQ0.2					
Q4	DQ0.3					
Q5	DQ1.0					
Q6	DQ1.1					
Q7	DQ1.2					
Q8	DQ1.3					
X1						
X2						
X3						
Creator:	Admin	Compuscan Manufacturing	Project:	Basic IO Control	Customer:	TVET
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Connection	Label
X4	
X5	
X6	
X7	
X8	
X9	
X10	
X11	

