

Eelecta Touch Logic functions

This handbook is aimed to help you to:

- Use Eelecta Touch logic functions



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ETS Configuration

Select the Eelecta Touch devices and edit parameters:

Device: 8.1.50 Eelecta Touch-IT C3

Main	Master Password	0
Page 1 Element 1A	Main Format String	;LOGIC=S4_logic01
Page 1 Element 1B	Additional Parameters	
Page 1 Element 2A	Pages	5 Pages / 1 Alarm Page
Page 1 Element 2B	Use Password for Settings Dialog	No
Page 1 Element 3A	Page 1 Name; Format	Test 1
Page 1 Element 3B	Use Password for Page 2	No
Page 1 Element 4A	Page 2 Name; Format	
Page 1 Element 4B	Use Password for Page 3	No
Page 2 Element 1A	Page 3 Name; Format	
Page 2 Element 1B	Use Password for Page 4	No
Page 2 Element 2A	Page 4 Name; Format	
Page 2 Element 2B	Use Password for Page 5	No
Page 2 Element 3A	Page 5 Name; Format	
Page 2 Element 3B	Page 6 (Alarm) Name; Format	
Page 2 Element 4A	Use Logic Functions	Schema 4
Page 2 Element 4B	Room Temperature Controller	None
Page 3 Element 1A		
Page 3 Element 1B		
Page 3 Element 2A		
Page 3 Element 2B		
Page 3 Element 3A		
Page 3 Element 3B		
Page 3 Element 4A		
Page 3 Element 4B		
Page 4 Element 1A		
Page 4 Element 1B		
Page 4 Element 2A		
Page 4 Element 2B		

Group Objects Parameters Commissioning

In “Main Format string” parameter set the logic that must be used preceded by the keyword **LOGIC**

example ;LOGIC=S4_logic01

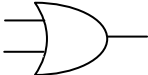
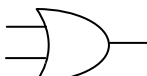
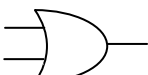




In “Use Logic Function” parameter choose the “Schema” according to the logic that must be used.

S4_logic01

Used logic scheme

4

Logic diagram

Input CO	function	Output/Input CO	function	Output CO
CO222		CO226		CO252
CO223				
CO224				
CO225				
CO227		CO231		
CO228				
CO229				
CO230				
CO232		CO236		
CO233				
CO234				
CO235				
CO237		CO241		
CO238				
CO239				
CO240				
CO242		CO246		
CO243				
CO244				
CO245				
CO247		CO251		
CO248				
CO249				
CO250				

Used communication objects

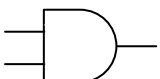
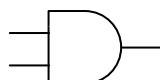
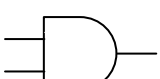
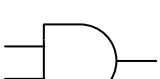
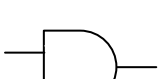


see table above

S4_logic02

Used logic scheme

4

Logic diagram

Input CO	function	Output/Input CO	function	Output CO		
CO222		CO226		CO252		
CO223						
CO224						
CO225						
CO227		CO231				
CO228						
CO229						
CO230						
CO232		CO236				
CO233						
CO234						
CO235						
CO237		CO241				
CO238						
CO239						
CO240						
CO242		CO246				
CO243						
CO244						
CO245						
CO247		CO251				
CO248						
CO249						
CO250						

Used communication objects

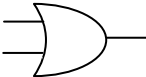
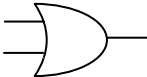
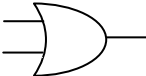
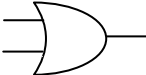
See table above

S4_logic03

Used logic scheme

4

Logic diagram

Input CO	function	Output/Input CO	function	Output CO		
CO222		CO230		CO252		
CO223						
CO224						
CO225						
CO226						
CO227						
CO228						
CO229						
CO231		CO239				
CO232						
CO233						
CO234						
CO235						
CO236						
CO237						
CO238						
CO240		CO248				
CO241						
CO242						
CO243						
CO244						
CO245						
CO246						
CO247						

Used communication objects

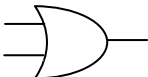
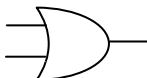
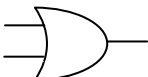
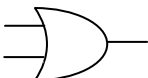
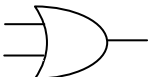
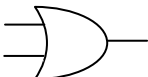
see table above

S4_logic04

Used logic scheme

4

Logic diagram

Input CO	function	Output/Input CO	function	Output CO		
CO222		CO227		CO252		
CO223						
CO224						
CO225						
CO226						
CO228		CO233				
CO229						
CO230						
CO231						
CO232						
CO234		CO239				
CO235						
CO236						
CO237						
CO238						
CO240		CO245				
CO241						
CO242						
CO243						
CO244						
CO246		CO251				
CO247						
CO248						
CO249						
CO250						

Used communication objects

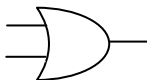
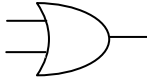
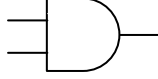
see table above

S4_logic05

Used logic scheme

4

Logic diagram

Input CO	function	Output/Input CO		
CO222		CO226		
CO223				
CO224				
CO225				
CO227		CO231		
CO228				
CO229				
CO230				
CO232		CO236		
CO233				
CO234				
CO235				
CO237	NOT	CO241		
CO238	NOT	CO242		
CO239	NOT	CO243		
CO240	NOT	CO244		
CO245	0 -> 1	CO246		
CO247	0 -> 1	CO248		
CO249	1 -> 0	CO250		
CO251	1 -> 0	CO252		

Used communication objects

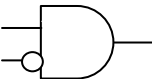






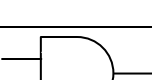


see table above

S4_logic06

Used logic scheme

4

Logic diagram

Input CO	function	Output/Input CO	function	Output CO
CO222 CO232		CO242		
CO223 CO233		CO243		
CO224 CO234		CO244		
CO225 CO235		CO245		
CO226 CO236		CO246		
CO227 CO237		CO247		
CO228 CO238		CO248		
CO229 CO239		CO249		
CO230 CO240		CO250		
CO231 CO241		CO251		

Used communication objects

See table above

S3_logic01

Used logic scheme

3

Logic diagram

Input CO		function	Output CO	
CO232	HVAC mode		CO241	Comfort Setpoint
CO240	Temp Setpoint		CO242	Standby Setpoint
			CO243	Eco Setpoint
CO233	HVAC mode		CO245	Comfort Setpoint
CO244	Temp Setpoint		CO246	Standby Setpoint
			CO247	Eco Setpoint
CO234	HVAC mode		CO249	Comfort Setpoint
CO248	Temp Setpoint		CO250	Standby Setpoint
			CO251	Eco Setpoint

The temperature setpoint CO240 is transferred to output CO241 or CO242 or CO243 according to the HVAC mode selected by CO232.

At startup no valid HVAC mode are set.

Used communication objects

see table above

S3_logic02

Used logic scheme

3

Parameters

Name	min value	MAX value
Incremento Setpoint	1	10
Velocita Fancoil	10	100

Logic diagram

Input CO	function	Output/Input CO	output
CO240	Input value	CO245	Input value + Incremento Setpoint
CO241	Input value	CO246	Input value + Incremento Setpoint
CO242	Input value	CO247	Input value + Incremento Setpoint
CO243	Input value	CO248	Input value + Incremento Setpoint
CO244	Input value	CO249	Input value + Incremento Setpoint
CO222	= 1	CO227	= 1
		CO232	Velocita Fancoil
	= 0	CO227	= 0
		CO232	---
CO223	= 1	CO228	= 1
		CO233	Velocita Fancoil
	= 0	CO228	= 0
		CO233	---

CO224	= 1	CO229	= 1
		CO234	Velocita Fancoil
	= 0	CO229	= 0
		CO234	---
CO225	= 1	CO230	= 1
		CO235	Velocita Fancoil
	= 0	CO230	= 0
		CO235	---
CO226	= 1	CO231	= 1
		CO236	Velocita Fancoil
	= 0	CO231	= 0
		CO236	---

Used communication objects

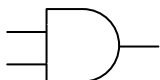
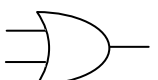
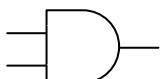
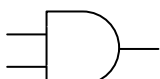
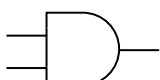



See table above

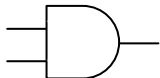
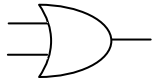
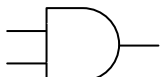
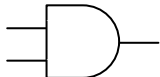
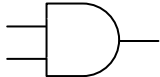
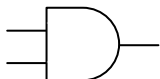
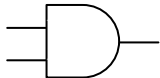
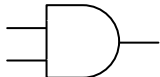
S5_logic01

Used logic scheme

5

Logic diagram

Input CO	condition	function	Output/Input CO	function	Output CO
CO237	>0		CO222		CO229
CO230	=0				
CO239	>0		CO223		
CO230	=0				
CO241	>0		CO224		
CO230	=0				
CO243	>0		CO225		
CO230	=0				
CO245	>0		CO226		
CO230	=0				
CO247	>0		CO227		
CO230	=0				
CO249	>0		CO228		
CO230	=0				

Input CO	condition	function	Output/Input CO	function	Output CO
CO238	>0		CO222		CO229
CO230	=1				
CO240	>0		CO223		
CO230	=1				
CO242	>0		CO224		
CO230	=1				
CO244	>0		CO225		
CO230	=1				
CO246	>0		CO226		
CO230	=1				
CO248	>0		CO227		
CO230	=1				
CO250	>0		CO228		
CO230	=1				

Used communication objects

see table above

Appendix

Availability function by serial number:

Function name	s/n
S4_logic01	34382
S4_logic02	34382
S4_logic03	34382
S4_logic04	34382
S4_logic05	34382
S4_logic06	34382
S3_logic01	42506
S3_logic02	42506
S5_logic01	42506

Revision History

Date	Document ref	Comments
11/10/2012		First issue
19/07/2013		Added S4_logic06, S3_logic02

