Eelecta Touch
Logic functions

This handbook is aimed to help you to:

- Use Eelecta Touch logic functions

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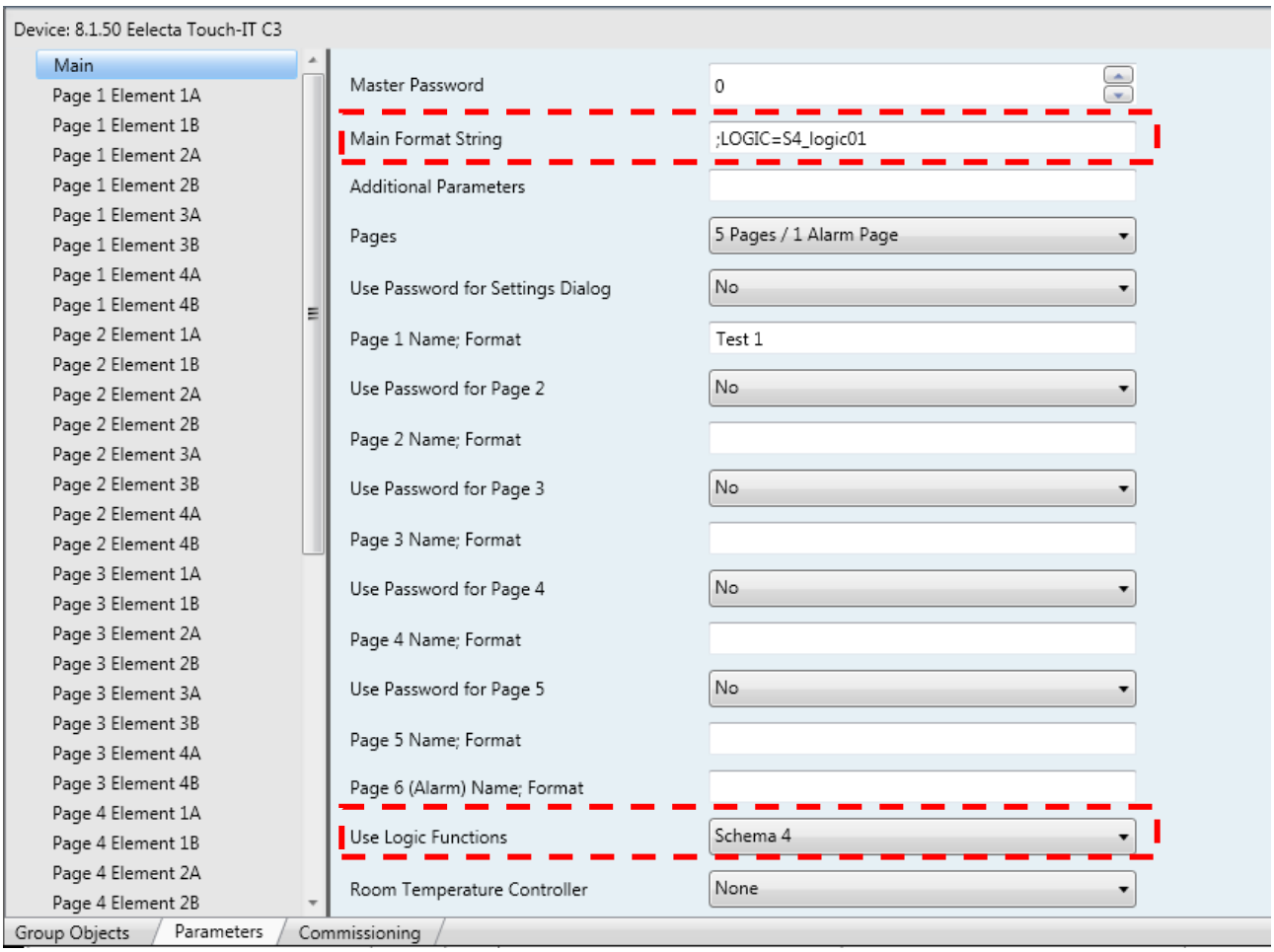
ETS Configuration

Select the Eelecta Touch devices and edit parameters:



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

example ;LOGIC=S4_logic01

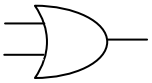
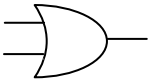
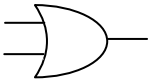
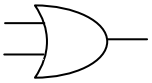
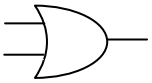
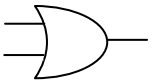
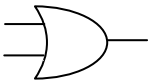
In *"Use Logic Function"* parameter choose the "Schema" according to the logic that must be used.

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

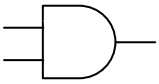
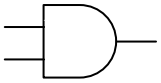
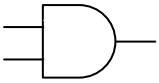
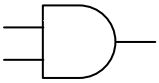
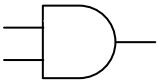
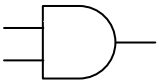
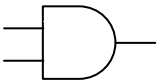
see table above

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

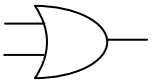
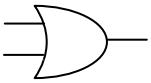
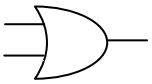
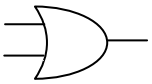
See table above

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

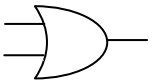
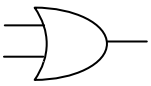
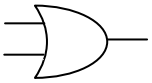
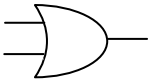
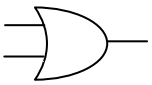
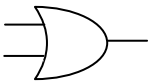
see table above

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

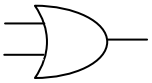
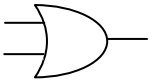
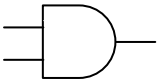
see table above

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

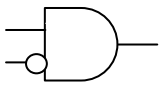
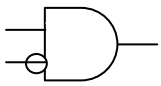
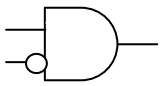
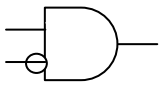
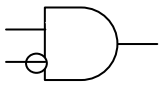
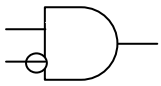
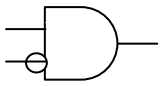
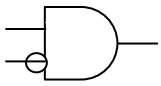
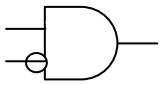
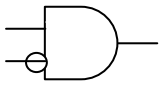
see table above

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

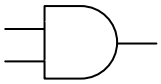
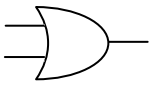
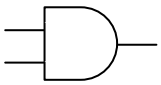
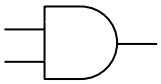
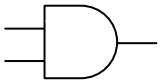
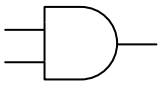
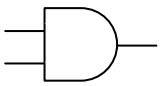
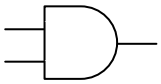
See table above

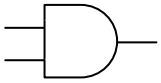
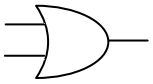
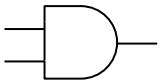
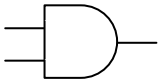
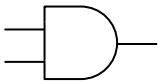
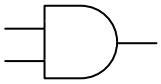
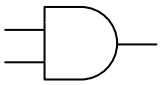
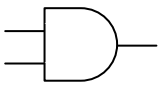
S5_logic01

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