OPEN PROTOCOL FOR ELECTRICAL NETWORKS

My Open Web Net Introduction

Brand	Item
Legrand	03551 88301
BTicino	F420 IR interface 3456

Document History

Version	Date	Author
2.0.0	01/10/2010	My Open Staff

Updating description:	SECOND VERSION

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WHO = 0   SCENARIOS

In this document you can find the Open frames which implement the Scenario scheduling through the Scenarios modules (F420/ IR 3456).

1. Table WHAT

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3	Scenario 3*
4	Scenario 4*
…	…
16	Scenario 16*
…	…**
20	Scenario 20**
<td colspan="1" style="color:red">Commands only for F420</td>	
40#X	Start recording X scenario
41#X	End recording X scenario
42	Erase all the scenarios
42#X	Erase X scenario
43	Lock Scenarios central unit
44	Unlock Scenarios central unit
45	Unavailable Scenarios central unit
46	Memory full of Scenarios central unit

2. Table WHERE

01	Control Panel 01
02	Control Panel 02
…	…
99	Control Panel 99

3. Open messages: commands session

3.1 Scenario activation command (WHAT 1-16/20)

Commands session	Open frame	Notes	
TCP/IP Client -> Server	*0*WHAT*WHERE##	WHAT = Enable selected scenario (1-16/20) WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I
TCP/IP Server -> Client	*#*1## or *#*0##	**ACK:** the command has been sent to Bus. **NACK:** the command has not been sent to Bus.	
Events session	**Open frame**	**Notes**	
TCP/IP Server -> Client	*0*WHAT*WHERE##		

For the module F420 (03551) it is available the configuration up to 16 different scenarios; on the other side the IR 3456 (88301) interface can handle up to 20 scenarios.

4. Commands only for Scenarios module F420

Whether you have to program the scenario module you have to open a specific connection with this frame *99*9##
(read the document OpenWebNet_introduction)

4.1 Start recording Scenarios (WHAT 40#1-40#20)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Client -> Server	*0*40#X*WHERE##	Enable selected scenario X = (1-16) WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I
TCP/IP Server -> Client	*#*1## or *#*0##	**ACK:** the command has been sent to Bus. **NACK:** the command has not been sent to Bus.	
Events session	Open frame	Notes	
TCP/IP Server -> Client	*0*40#X*WHERE##		

4.2 End recording Scenarios (WHAT 41#1-41#20)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Client -> Server	*0*41#X *WHERE##	Disable selected scenario X = (1-16) WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I
TCP/IP Server -> Client	*#*1## or *#*0##	**ACK:** the command has been sent to Bus. **NACK:** the command has not been sent to Bus.	
Events session	**Open frame**	**Notes**	
TCP/IP Server -> Client	*0*41#X #0*WHERE##		

4.3 *Erase all the Scenarios* (WHAT 42)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes		
TCP/IP Client -> Server	*0*42 *WHERE##	WHERE:		
			01-99	Scenario module Point to Point
			01-99#4#I	Scenario module on Local Bus (level 4) with Interface I
TCP/IP Server -> Client	*#*1## or *#*0##	**ACK:** the command has been sent to Bus. **NACK:** the command has not been sent to Bus.		
Events session	**Open frame**	**Notes**		
TCP/IP Server -> Client	*0*42 *WHERE##			

4.4 Erase a single *Scenario X (WHAT 42#1-42#20)*

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes		
TCP/IP Client -> Server	*0*42#X*WHERE##	Erase the selected scenario X = (1-16) WHERE:		
			01-99	Scenario module Point to Point
			01-99#4#I	Scenario module on Local Bus (level 4) with Interface I
TCP/IP Server -> Client	*#*1## or *#*0##	**ACK:** the command has been sent to Bus. **NACK:** the command has not been sent to Bus.		
Events session	**Open frame**	**Notes**		
TCP/IP Server -> Client	*0*42#X*WHERE##			

4.5 Lock Scenario Central Unit (WHAT 43)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Client -> Server	*0*43*WHERE##	WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I
TCP/IP Server -> Client	*#*1## or *#*0##	**ACK:** the command has been sent to Bus. **NACK:** the command has not been sent to Bus.	
Events session	Open frame	Notes	
TCP/IP Server -> Client	*0*43*WHERE##		

4.6 Unlock Scenarios Central Unit (WHAT 44)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Client -> Server	*0*44*WHERE##	WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I
TCP/IP Server -> Client	*#*1## or *#*0##	**ACK:** the command has been sent to Bus. **NACK:** the command has not been sent to Bus.	
Events session	Open frame	Notes	
TCP/IP Server -> Client	*0*44*WHERE##		

5. Open messages: events sessions

5.1 Enable scenarios (WHAT 1-16/20)

For the module F420 (03551) it is available the configuration up to 16 different scenarios;
on the other side the IR 3456 (88301) interface can handle up to 20 scenarios.

Commands session	Open frame	Notes	
TCP/IP Server -> Client	*0*WHAT*WHERE##	Enable selected scenario (1-16) WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I

5.2 Start programming Scenarios (WHAT 40#1 – 40#16)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Server-> Client	*0*40#WHAT*WHERE##	Start programming the selected scenario X = (1-16) WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I

5.3 End programming Scenarios (WHAT 41#1 – 41#16)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Server -> Client	*0*41#X*WHERE##	End programming the selected scenario X =(1-16) WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I

5.4 Erase all the Scenarios (WHAT 42)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Server -> Client	*0*42*WHERE##	Erase all the scenarios WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I

5.5 Erase single scenario X (WHAT 42#1-42#16)

Only with F420 (03551) because the 3456 (88301) module doesn't support this frame

Commands session	Open frame	Notes	
TCP/IP Server -> Client	*0*42#X*WHERE##	Erase the selected scenario X = (1-16) WHERE:	
		01-99	Scenario module Point to Point
		01-99#4#I	Scenario module on Local Bus (level 4) with Interface I

NOTES
* In the F420 (03551) it is possible to program up to 16 scenarios.
** In the IR 3456 (88301) it is possible to recall up to 20 different scenarios.

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