t34	0000	0001	 0000	count showing during action 2 (it is important if t24 $\neq$ 00:00; 0001 = YES)
t35	0000	0006	 0002	labels the instrument has to show during the procedure indicated at chapter 3
				(0000 = no labels, 0001 = tOn1, 0002 = tOn1 and tOn2, 0003 = tOn1, PAUS and tOn2,
				0004 = tOn1 and tPrE, 0005 = tOn1, tOn2 and tPrE, 0006 = tOn1, PAUS, tOn2 and tPrE) <sup>[15]</sup>
t36	0000	0003	 0000	operation after a lack of power supply during the count (0000 = the instrument will interrupt
				the count, 0001 = the instrument will interrupt the count, the indication will flash and the
				buzzer will utters the sound you have set with the parameter t3, 0002 = the instrument will
				resume the count since the beginning of the phase during which the lack of power supply
				has taken place, the indication will flash and the buzzer will utters the sound you have set
				with the parameter t3, 0003 = it is important if t0, t10 and/or t23 $\neq$ 0000, the instrument will
				resume the count since the lack of power supply has taken place with a maximum error of
				60 s, the indication will flash and the buzzer will utters the sound you have set with the
				parameter t3)

L1       1       15        1       instrument address         L2       0       7        0       instrument group         14       0       3        1       baud rate (0 = 1,200 baud, 1 = 2,400 baud, 2 = 4,800 baud, 3 = 9,600 baud)	LABEL	MIN.	MAX.	U.M.	DEF.	serial network (evcobus)
	L1	1	15		1	instrument address
14 0 3 — 1 baud rate (0 = 1,200 baud, 1 = 2,400 baud, 2 = 4,800 baud, 3 = 9,600 baud)	L2	0	7		0	instrument group
	L4	0	3		1	baud rate (0 = 1,200 baud, 1 = 2,400 baud, 2 = 4,800 baud, 3 = 9,600 baud)

LABEL	MIN.	MAX.	U.M.	DEF.	ACTION 1 LENGTH
tOn1	00:00	(16)	(16)	00:00	action 1 length

(12) the unit of measure depends on the parameter t0: if the parameter t0 has value 0000, the maximum value of the parameter will be 99 s and 90 ds; if the parameter t0 has value 0001, the maximum value of the parameter will be 99 h and 59 s; if the parameter t0 has value 0002, the maximum value of the parameter will be 99 h and 59 min

- (13) the unit of measure depends on the parameter t23: if the parameter t23 has value 0000, the maximum value of the parameter will be 99 s and 90 ds; if the parameter t23 has value 0001, the maximum value of the parameter will be 99 h and 59 s; if the parameter t23 has value 0002, the maximum value of the parameter will be 99 h and 59 min
- (14) except what you have set with the parameters t12 and t21
- (15) if the parameter has value 0000, the value you can set by using the procedure indicated at chapter 3 is action 1 length
- (16) the unit of measure depends on the parameter t10: if the parameter t10 has value 0000, the maximum value of the parameter will be 99 s and 90 ds; if the parameter t10 has value 0001, the maximum value of the parameter will be 99 h and 59 s; if the parameter t10 has value 0002, the maximum value of the parameter will be 99 h and 59 min.



# 1 PREPARATIONS

#### 1.1 Electrical connection



power supply

## 2 OPERATION

## 2.1 Preliminary information

A full count consists of four phases:

- delay action 1
- action 1 (the load 1 will be ON)
- delay action 2
- action 2 (the load 2 will be ON and the buzzer will utter the
- sound you have set with the parameter t3).

As soon as one phase will end, the instrument will automatically move to the following one.

#### 2.2 How to start the count

If you have to start the count:



(3) if the parameter t4 has value 0000, you could activate the input for remote start

as well; if the parameter t4 has value 0002, you will have to activate this input.

(3)

### 2.3 How to suspend/resume the count

If you have to suspend/resume the count:

<ul> <li>press</li> </ul>	start		(4)
---------------------------	-------	--	-----

(4)  $\hfill \hfill \hf$ 

parameter t8 has value 0002, you will have to deactivate the input for remote

start.

### 2.4 How to stop the count

If you have to stop the count



(5) if the parameter t5 has value 0000, you could activate the input for remote stop

as well; if the parameter t5 has value 0002, you will have to activate this input.

**3** COUNT PHASES

# 3.1 How to set the count phases length

Every phase is associated with a label:

<ul> <li>action 1</li> </ul>	label 占 🗋 🗖 🕇 🚳
<ul> <li>delay action 2</li> </ul>	label <b>P A [] 5</b> (7)
<ul> <li>action 2</li> </ul>	label <b>E [] n 2</b> (8)
<ul> <li>delay action 1</li> </ul>	label EPrE (9)
If you have to modify the length of c	one of the phases:

press and release set

for selecting the label: the

most significant part of

the display will flash (10)

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press	start) Of stop	within 2 s		if it is lighted, action 2	will be running	
·		nificant part of the display:				
<ul> <li>press</li> </ul>	(set)	during the modification of	6 A	LARMS		
1		the most significant part,	6.1 A	larms		
		then	CODE	REASONS	REMEDIES	EFFECTS
press	start) Or stop	within 2 s	EP	there is the corruption	switch off the power	• you can not gain a
	ive to quit the procedure:		corrupted	of the configuration	supply of the instru-	cess the setting p
<ul> <li>press</li> </ul>	(set)		memory	data of the memory of	ment: unless the alarm	cedures
•		the parameter tOn1 as well; the times	data	the instrument	disappears, you will	<ul> <li>all outputs will</li> </ul>
	depends on the parameter t10	are parameter com as wer, are arres	0000		have to change the	forced OFF
		vith the parameter t20 as well; the times			instrument	loiced off
	depends on the parameter t0	nur ule parameter (20 as weil, ule unes	indica-	there has been a lack	test the instrument-	the instrument will i
		ne parameter t24 as well; the times base	tion	of power supply dur-		terrupt the count
	nds on the parameter t23	ie parameter tz4 as weil, the times base	count	ing the count	power supply con- nection (look at the	terrupt the count
		with the exercise to the second states		ing the count		
		vith the parameter t11 as well; the times	inter-		parameter t36)	
	depends on the parameter t0		rupted		interrupt the count	
	abels the instrument has to show de		indica-	there has been a lack	<ul> <li>test the instrument-</li> </ul>	the instrument w
	ONFIGURATION PARA		tion	of power supply dur-	power supply con-	resume the cou
	low to set the configu	-	count	ing the count	nection (look at the	since the beginning
If you ha	ive to gain access the proc	_	inter-		parameter t36)	the phase durir
<ul> <li>press</li> </ul>	(start)and(stop)	for 4 s	rupted		<ul> <li>interrupt the count</li> </ul>	which the lack
		will show 占 🛛				power supply h
lf you ha	ve to select a parameter:					taken place or sin
<ul> <li>press</li> </ul>	start Or stop					the lack of power su
lf you ha	ive to modify the value of	the parameter (11) :				ply has taken pla
<ul> <li>press</li> </ul>	set	_				with a maximum
<ul> <li>press</li> </ul>	(start) Of (stop)	within 2 s				ror of 60 s
<ul> <li>press</li> </ul>	set		The instrume	ent shows the indications	above flashing and the	buzzer utters the so
lf you ha	we to quit the procedure:		you have set	t with the parameter t3.		
<ul> <li>press</li> </ul>	(start)and (stop)	for 4 s 🏹 or do not op-	7 TI	ECHNICAL DAT	4	
		erate for about 60 s.	7.1 Te	echnical data		
	have to modify the value of the par	rameters t11, t20, t24 and tOn1 use the	Box: self-ext	tinguishing grey.		
(11) if you			<b>Size:</b> 72 x 7	72 (2.83 x 2.83 in, fronta	IJ.	
	edure indicated at chapter 3.					
proce	edure indicated at chapter 3.		Ambient: f	from 0 to 55 °⊂ (32 to 1	31 °F, 10 90% r.H. w	vithout condensate).
proce				rrom 0 to 55 °⊂ (32 to 1 • <b>pply:</b> 230 Vac, 50/60 Hz		vithout condensate).
proce	IGNALS	ANING	Power sup			ithout condensate).
proce 5 SI 5.1 Si	IGNALS	ANING	Power sup Alarm buz	<b>ply:</b> 230 Vac, 50/60 Hz	, 1.5 VA.	

#### 8 CONFIGURATION PARAMETERS

8.1	Configuration parameters								
LABEL	MIN.	MAX.	U.M.	DEF.	TIMER				
tO	0000	0002		0000	times base for delay action 1 and delay action 2 (it is important if t11 and/or t20 $\neq$ 00:00,				
					0000 = seconds and tenths of second, 0001 = minutes and seconds, 0002 = hours and				
					minutes)				
t1	0000	0001		0000	kind of contact of the remote start input (it is important if $t4 \neq 0001$ ; 0000 = NO, 0001 = NC,				
t2	0000	0001		0000	kind of contact of the remote stop input (it is important if $t5 \neq 0001$ ; $0000 = NO$ , $0001 = NC$ ,				
t3	0000	0002		0000	sound of the buzzer during action 2 (it set the sound of the buzzer during the alarm coun				
					interrupted as well, it is important if t24 $\neq$ 00:00 and/or t36 $\neq$ 0000,				
					0000 = it will never be activated, 0001 = continuous sound, 0002 = intermittent beep)				
t4	0000	0002		0000	event giving the count start (0000 = by pressing the start key or activating the remote start				
					input, $0001 = by$ pressing the start key, $0002 = by$ activating the remote start input)				
t5	0000	0002	-	0000	event giving the count stop (0000 = by pressing the stop key or activating the remote stop				
					input, $0001 = by$ pressing the stop key, $0002 = by$ activating the remote stop input)				
t6	0000	0001		0000	kind of count the instrument has to show (it is important if t31, t32, t33 and/or t34 $\neq$ 0000,				
					0000 = count down, 0001 = count up)				
t7	0000	0001		0000	authorization to operate cyclically (it is important if t22 = 0002; 0001 = YES, as soon as one				
					count will end, the instrument will automatically start another one)				
t8	0000	0002		0000	event giving the suspension/resumption of the count (0000 = no events, 0001 = in accord-				
					ance with t4, 0002 = by deactivating the remote start input)				
t10	0000	0002	-	0000	times base for action 1 (it is important if $tOn 1 \neq 00:00$ ; $0000 =$ seconds and tenths of second,				
					0001 = minutes and seconds, 0002 = hours and minutes)				
t11	00:00	(12)	(12)	00:00	delay action 1 length				
t12	0000	0001		0000	load 1 operation (0000 = it will be ON during action 1 and OFF otherwise, 0001 = it will be				
					OFF during action 1 and ON otherwise)				
t20	00:00	(12)	(12)	00:00	delay action 2 length				
t21	0000	0001		0000	load 2 operation (0000 = it will be ON during action 2 and OFF otherwise, 0001 = it will be				
					OFF during action 2 and ON otherwise)				
t22	0000	0002		0000	event ending action 2 (0000 = in accordance with t5, 0001 = in accordance with t4 or t5,				
					0002 = in accordance with t5 or as soon as action 2 length will be passed)				
t23	0000	0002		0000	times base for action 2 (it is important if $t24 \neq 00:00$ ; $0000 =$ seconds and tenths of second,				
					0001 = minutes and seconds, 0002 = hours and minutes)				
t24	00:00	(13)	(13)	00:00	action 2 length				
t25	0000	0002		0000	connection between loads (0000 = no connections, 0001 = the load 2 will work in accord-				
					ance with load 1, 0002 = the load 1 will work in accordance with load 2) $(14)$				
t31	0000	0001		0000	count showing during delay action 1 (it is important if $t11 \neq 00:00$ ; $0001 = YES$ )				
t32	0000	0001		0001	count showing during action 1 (it is important if tOn 1 $\neq$ 00:00; 0001 = YES)				
t33	0000	0001		0000	count showing during delay action 2 (it is important if t20 $\neq$ 00:00; 0001 = YES)				