





11 CONFIGURATION PARAMETERS

11.1 First level configuration parameters

| PARAM. | MIN. | MAX. | U.M. | DEF. | TIMER |
|--------|-------|-------|-------|-------|--|
| t1 | 00:00 | (1) | (2) | 00:00 | duration time t1 |
| t2 | 00:00 | (1) | (3) | 00:00 | duration time t2 (not visible if instrument code = 3 or 4) |
| t3 | 00:00 | (1) | (4) | 00:00 | duration time t3 (not visible if instrument code = 1, 2, 3 or 4) |
| t4 | 00:00 | (1) | (5) | 00:00 | duration time t4 (visible if instrument code = 7 or 8) |
| t5 | 00:00 | 99:59 | min:s | 00:05 | duration of the activation of the buzzer (not visible if instrument code = 4 or 9) |
| t6 | 00:00 | 99:59 | min:s | 00:00 | time between the activation of the buzzer and the shutdown of the last load (not visible if instrument code = 3, 4 or 9) |
| t7 | 0 | 2 | --- | 1 | times base time t1 (6) 0 = s:ds 1 = min:s 2 = h:min |
| t8 | 0 | 2 | --- | 1 | times base time t2 (not visible if instrument code = 3 or 4) (6) 0 = s:ds 1 = min:s 2 = h:min |
| t9 | 0 | 2 | --- | 1 | times base time t3 (not visible if instrument code = 1, 2, 3 or 4) (6) 0 = s:ds 1 = min:s 2 = h:min |
| t10 | 0 | 2 | --- | 1 | times base time t4 (visible if instrument code = 7 or 8) (6) 0 = s:ds 1 = min:s 2 = h:min |
| t19 | 00:00 | (1) | (7) | 00:00 | time between the activation of load 2 and the shutdown of load 1 (visible if instrument code = 5 or 6) |

11.2 Second level configuration parameters


| PARAM. | MIN. | MAX. | U.M. | DEF. | TIMER |
|--------|-------|-------|-------|-------|---|
| t1 | 00:00 | (1) | (2) | 00:00 | duration time t1 |
| t2 | 00:00 | (1) | (3) | 00:00 | duration time t2 (not visible if instrument code = 3 or 4) |
| t3 | 00:00 | (1) | (4) | 00:00 | duration time t3 (not visible if instrument code = 1, 2, 3 or 4) |
| t4 | 00:00 | (1) | (5) | 00:00 | duration time t4 (visible if instrument code = 7 or 8) |
| t5 | 00:00 | 99:59 | min:s | 00:05 | duration of the activation of the buzzer (not visible if instrument code = 4 or 9) |
| t6 | 00:00 | 99:59 | min:s | 00:00 | time between the activation of the buzzer and the shutdown of the last load (not visible if instrument code = 3, 4 or 9) |
| t7 | 0 | 2 | --- | 1 | times base time t1 (6) 0 = s:ds 1 = min:s 2 = h:min |
| t8 | 0 | 2 | --- | 1 | times base time t2 (not visible if instrument code = 3 or 4) (6) 0 = s:ds 1 = min:s 2 = h:min |
| t9 | 0 | 2 | --- | 1 | times base time t3 (not visible if instrument code = 1, 2, 3 or 4) (6) 0 = s:ds 1 = min:s 2 = h:min |
| t10 | 0 | 2 | --- | 1 | times base time t4 (visible if instrument code = 7 or 8) (6) 0 = s:ds 1 = min:s 2 = h:min |
| t11 | 0 | 2 | --- | 0 | event provoking the start of the count (not visible if instrument code = 3) 0 = pressure of button  or activation of input start 1 = pressure of button  2 = activation of input start |
| t12 | 0 | 2 | --- | 0 | event provoking the stop of the count (not visible if instrument code = 3) (8) 0 = pressure of button  or activation of input stop 1 = pressure of button  2 = activation of input stop |
| t13 | 0 | 1 | --- | 0 | kind of contact input start 0 = NO (the input will be active if you close the contact) 1 = NC (the input will be active if you open the contact) |
| t14 | 0 | 1 | --- | 0 | kind of contact input stop (not visible if instrument code = 3) 0 = NO (the input will be active if you close the contact) 1 = NC (the input will be active if you open the contact) |
| t15 | 0 | 1 | --- | 0 | kind of count 0 = remaining time (count down) 1 = elapsed time (count up) |
| t16 | 0 | 3 | --- | 0 | display colour 0 = green 1 = red 2 = green when the loads will be turned off and red when the loads will be turned on 3 = red when the loads will be turned off and green when the loads will be turned on |
| t17 | 0 | 2 | --- | 0 | action provoked by the events you have set with parameters t11 and t12 when the count is running (not visible if instrument code = 3) 0 = the event you have set with parameter t12 will stop the count and the event you have set with parameter t11 will start it again from the beginning 1 = the event you have set with parameter t12 will suspend the count and the event you have set with parameter t11 will start it again from the beginning 2 = the event you have set with parameter t12 will suspend the count and the event you have set with parameter t11 will resume it |
| t18 | 0 | 1 | --- | 0 | cyclical operation (visible if instrument code = 2, 5 or 8) 1 = YES |
| t19 | 00:00 | (1) | (7) | 00:00 | time between the activation of load 2 and the shutdown of load 1 (visible if instrument code = 5 or 6) |
| t20 | 0 | 1 | --- | 0 | locking the modification of parameter t1 (with the procedure related in paragraph 6.3) 1 = YES |
| t21 | 0 | 1 | --- | 0 | locking the modification of parameter t2 (with the procedure related in paragraph 6.3; not visible if instrument code = 3 or 4) 1 = YES |
| t22 | 0 | 1 | --- | 0 | locking the modification of parameter t3 (with the procedure related in paragraph 6.3; not visible if instrument code = 1, 2, 3 or 4) 1 = YES |

| | | | | | |
|-----|-------|-------|-------|-----|---|
| t23 | 0 | 1 | --- | 0 | locking the modification of parameter t4 (with the procedure related in paragraph 6.3; visible if instrument code = 7 or 8) 1 = YES |
| t24 | 0 | 1 | --- | 1 | load 1 status during a suspension of the count that happens when the load is turned on (not visible if instrument code = 3 or 4) 0 = turned off 1 = tuned on |
| t25 | 0 | 1 | --- | 1 | load 2 status during a suspension of the count that happens when the load is turned on (not visible if instrument code = 1, 2, 3, 4 or 9) 0 = turned off 1 = tuned on |
| t26 | 0 | 3 | --- | 0 | operation of the instrument to the restoration of the power supply after a lack that arises when the count is running 0 = the count will be stopped 1 = the count will be stopped, the display will flash and the buzzer will be activated intermittent (this last the time t27) 2 = the count will be started again since the beginning of the time during which the lack of power supply will have arisen, the display will flash and the buzzer will be activated intermittent (this last the time t27) (9) 3 = the count will be resumed since the moment in which the lack of power supply will have arisen (with a maximum error of 60 s), the display will flash and the buzzer will be activated intermittent (this last the time t27) (9) (10) |
| t27 | 00:00 | 15:00 | min:s | --- | time the buzzer is activated (intermittent) to the restoration of the power supply after a lack that arises when the count is running ---: -- = as long as it is silenced by hand |

| PARAM. | MIN. | MAX. | U.M. | DEF. | SERIAL NETWORK (MODBUS) |
|--------|------|------|------|------|--|
| LA | 1 | 247 | --- | 247 | instrument address |
| Lb | 0 | 3 | --- | 2 | baud rate 0 = 2,400 baud 1 = 4,800 baud 2 = 9,600 baud 3 = 19,200 baud |
| LP | 0 | 2 | --- | 2 | parity 0 = none 1 = odd 2 = even |
| PARAM. | MIN. | MAX. | U.M. | DEF. | RESERVED |
| E9 | 0 | 1 | --- | 1 | reserved |
| PARAM. | MIN. | MAX. | U.M. | DEF. | INSTRUMENT CODE |
| CFG | 1 | (11) | --- | (12) | instrument code (13) |

(1) the value depends on the times base (parameters t7, t8, t9 and t10):

| TIMES BASE | VALUE |
|------------|-------|
| s:ds | 99:90 |
| min:s | 99:59 |
| h:min | 99:59 |

- (2) the unit of measure depends on parameter t7
 (3) the unit of measure depends on parameter t8
 (4) the unit of measure depends on parameter t9
 (5) the unit of measure depends on parameter t10
 (6) the modification of the parameter provokes the cancellation of the value of the corresponding time
 (7) if the instrument code has value 5, the unit of measure will depend on parameter t7; if the instrument code has value 6, the unit of measure will depend on parameter t8
 (8) pressure of button  4 s provokes however the stop of the count
 (9) if the lack arises during a suspension of the count, to the restoration of the power supply the count will be suspended to the moment in which the lack of power supply will have arisen
 (10) only if the times base of the time during which the lack of power supply has arisen is mn:s or h:min, otherwise the instrument will work as if parameter t26 had value 2
 (11) the value depends on the kind of instrument (4 for EVK721 and 9 for EVK722)
 (12) the value depends on the kind of instrument (1 for EVK721 and 5 for EVK722)
 (13) the modification of the parameter provokes the cancellation of the value of parameters t1, t2, t3, t4 and t19; to restore the default value of the parameters, look at paragraph 6.1.



The instrument must be disposed according to the local legislation about the collection for electrical and electronic equipment.