6uppeoxa speol of anpou әut pauuoo you oo
iəton


 ¡ио!̣nэолэәә ңо ләбиеа -(eqqissod se

 Prevent the disconnecting device from being
switched on accidentally. Make sure, that no voltage is present in the
installation.



 'IIe, Niq uo papunow eq ot peubi!sep s! !






 $\qquad$

## ләңәю диешs

## OUIL甘এONNI ə૫। oulqno

 LED1LED2
IR
1impNh
 Output for $I \mathbb{R}$ external relay
 흐후웅




 Neutral lead for input Input for IR external relay $/$ Ext. relay Live output

Neutral outp | 둥 |
| :--- |
| 0 |
| 旁 | Neutral input Live input



Electrical diagram 230VAC Package contents overload protection of the module.




:sdno.j pere!ooss $\forall$

 parameters are not set to defaut values.
Association



 press service button $\mathbf{S}$ for more than 6 seconds.



 controller into inclusion mode and then connect module to
power supply. - press service button $\mathbf{S}$ for more than 2 second
NOTE: For auto-inclusion procedure, first set main
controller into inclusion mode and then connect module to
 - Connect module to power supply


 External relays


뀬 죽즉

 | $\circ$ |
| :--- |
| 0 |




 - 0 - Auto ON disabled (data type is 2 Byte DEC):



 elay Parameter no. 12 - Automatic turning on IR external enabled with define time, step is 1s.
Parameter no. 12 - Automatic turning on IR external
 - 0 - Auto OFF disabled (data type is 2 Byte DEC):



 relay output after set time Parameter no. 11 - Automatic turning off IR external ALL OFF that may be sent by the main controller or by
other controler belonging to the system Smart Meter module responds to commands ALL ON/ INO $77 \%$ spuewmos of spuodsar anpour


Available config. parameters (data type is 2 Byte DEC):

- default value 255
- 255 - ALL ON active, ALL OFF active. Parameter no. 10 - Activate / deactivate functions ALL
ON / ALL OFF
Available config. parameters (data type is 2 Byte DEC): - 4- External relay control - mono stable push button
- 5 - External relay control - bi stable switch
Parameter no. 10 - Activate / deactivate functions ALL - IR external relay control - bi stable switch
4 - External relay control - mono stable push

 uo!!əәן Configuration parameters





 (data type is 2 Byte DEC):
- default value 0 when power report is send. Available config. parameters Set value means time interval $(0-32535)$ in seconds,


## Parameter no. 42 - Power reporting in Watts by time

 (Voltage), A (Amperes), Power factor, kVar (Reactive





- $\quad 1-100=1 \%-100 \%$ Reporting enabled. Power

Set value means percentage, set value from $0-100=$
$0 \%-100 \%$. Available configuration parameters (data type
Parameter no. 40 - Power reporting in Watts on power
change

- $\quad 1-32535=1$ second -32535 seconds. Auto ON
enabled with define time, step is 1 s .

type is 2 Byte DEC ):
- defaut value 0
controller,..). Available configuration parameters (data
 time defined by this parameter. Timer is reset to zero
each time the module receive OFF command regardess When External relay is OFF it goes automatically $O N$ after Parameter no. 14 - Automatic turning on External
relay after output set time
enabled with define time, step is 1 s .





 －$\quad 30-32535=30 \mathrm{~s}-32535 \mathrm{~s}$ delay．
Parameter no． 112 －Relay to power off




 － $15000=$
 parameters（data type is 2 Bytes DEC）
－default value 0
－ 0 －no function


 Parameter no． 110 －Maximum Power auto off









 mpact on its functionality．Available configuration
parameters（data type is 1 Byte DEC）：


 Enabling IR external relay and External relay or both of

 undunsuoo 」amod Voltage（Un）： Starting current： ：（u！u｜）łuәano unmu！u！w






 Technical Specifications decimal place． $\begin{array}{cc}0 & 0 \\ & 0 . ⿳ 亠 二 口\end{array}$ Read only．Unit：KVAh．Signed Long Value（32bit）， 1
decimal place．
Parameter no．148－Energy Counter 4 －Active powe Parameter no．147－Energy Counter 3 －Apparent

Read only．Unit：kVARh．Signed Long Value（32bit）， 1
 decimal place．
Read only．Unit：Kwh．Signed Long Value（32bit）， 1

 Parameter no．144－Power Factor Total（PFt） Read only．Unit：kVAR．Binary Signed value（24bit），

 Parameter no．142－Active Power Total（Pt） Read only．Unit：A．Binary Unsigned Value（24bit）， Parameter no．141－Current I1

 Parameter no．132－Meter Hardware reference Read
only．Unsigned Value（16bit）， 2 decimal places． Parameter no． 131 －Meter Software reference Read
only．Unsigned Value（16bit）． 2 decimal places．
Parameter no．132－Meter Hardware reference Read


Z－Wave Device Class：
ZWAVEPLUS＿INFO＿REPORT＿R
 EC Directive on Low Voltage 2006／95／EC EC Directive on Meas．Instruments 2004／22／EC
EC Directive on EMC 2004／108／EC
 Package dimensions

 Distance： AC voltage test
Standard： Indoor Meter：
Degree of pollution





 EN 62052－11














100


 | 0 |
| :--- |
| 2 |
| 3 |
| 3 |
| 2 |
| 1 |
| 0 |
| 5 |
| 0 |
| 1 |
| 3 |
| 3 |
| 3 |
| 1 |

 Co COMMAND＿CLASS＿SWITCH＿BINARY＿V2
COMMAND＿CLASS＿ASSOCIATION＿V2
 Command Classes： SPECIFIC＿TYPE＿POWER＿SWITCH＿BINARY
Command Classes： GENERIC＿TYPE＿SWITCH＿BINARY Endpoint 2 （External relay）：
Device Class： COMMAND＿CLASS＿BASIC

COMMAND＿CLASS＿MULTI＿CHANNEL＿ASSOCIATION＿V3
COMMAND＿CLASS＿MARK
COMMAND＿CLASS＿ASSOCIATION＿GRP＿INFO＿V2
COMMAND CLASS＿MULTI＿CHANNEL＿ASSOCIATION＿

COMMAND＿CLASS＿ZWAVEPLUS＿INFO＿V2
COMMAND＿CLASS＿BASIC
SPECIFIC＿TYPE＿POWER＿SWITCH＿BINARY
Command Classes： Generic＿TYPE＿SWITCH＿BINARY

Endpoint 1 （IR external relay）： COMMAND＿CLASS＿SWITCH＿BINARY＿V2＊ COMMAND＿CLASS＿BASIC
COMMAND＿CLASS＿SWITCH
 COMMAND＿CLASS＿CRC＿16＿ENCAP－＿V2
 COMMAND＿CLASS＿ASSOCIATION＿V2
COMMAND＿CLASS＿ASSOCIATION＿GRP＿

 COMMAND＿CLASS＿CON＿CASS＿VERSION＿V2 COMMAND＿CLASS＿CONFIGURATION
 COMMAND＿CLASS＿METER＿V4 COMMAND＿CLASS＿BASIC
COMMAND＿CLASS＿SWITCH＿ALL
 SPECIFIC＿TYPE＿WHOLE＿HOME＿METER＿SIMPLE GENERIC＿TYPE＿METER
SPECIFIC＿TYPE WHOLE

## A

 Document：Qubino＿Smart Meter
 $00 \varsigma 69 \varepsilon \varepsilon 9988+: \nmid$
 e．uarois uey｜os oszs


## oulqno

 NOTE：User manual is valid for module with SW version without notice．
This user manual is subject to change and improvement free of charge． to take back your old appliance for disposal at least for damaging your hearh and well－being．When replacies
appliances with new once，the retailer is legally obligated can leak into the groundwater and get into the food chain，
damaging your health and well－being．When replacing old disposed of in landfills or dumps，hazardous substances collection systems available．If electrical appliances are your local government for information regarding the municipal waste，use separate collection facilities．Contac Do not dispose of electrical appliances as unsorted dependent on its function．
Warning！ used in situations in which life and／or valuables are solely
dependent on its function． Z－Wave wireless communication is inherently not always
$100 \%$ reliable，and as such，this product should not be Important disclaimer

same network will act as repeaters regardless of the
vendor in order to increase reliability of the network． other manufacturers．All constantly powered nodes in the network with other $Z$－Wave certified devices from any

This product can be included and operated in any $Z$－Wave

