static\_IP: String

login\_page: class

login\_form: class

device\_series\_number: String

device\_ID: String

username: String

password: String

dashboard: class

onboard\_IO: class

element[]: class

ID: String

description: String

value\_state: integer 32 bit number (int/long – dependent on cpu)

alarm\_control: String

external\_device: class

element[]: class

ID: String

device\_state: enum{QUESTION\_MARK, PAUSE, PLAY} [//detail image](#Modbus_device_state)

device: String

tag\_name: String

value\_state: integer 32 bit number (int32\_t)

alarm\_control: String

event\_log: class

element[]: class

date\_time: DateTime

\*\*\*type: enum{} //not sure which values inside the enum [//detail image](#event_log_type)

message: String

sms\_log: class

element[]: class

date\_time: String

\*\*\*type: enum{} //not sure which values inside the enum [//detail image](#sms_log_type)

message: String

IO\_configuration: class

digital\_input: class

element[]: class

input\_description: String

open\_status: String

delay\_close\_to\_open: unsigned integer 32 bit number (uint32\_t)

close\_status: String

delay\_open\_to\_close: unsigned integer 32 bit number (uint32\_t)

alarm\_state: enum{NONE, OPEN, CLOSE}

operation\_contacts: class

contact\_select[]: bool

select\_all\_contact: bool

disable\_sms\_email: bool

analog\_input: class

element[]: class

description: String

unit: String

engineering\_value\_at\_4mA: signed integer 32 bit number (int32\_t)

engineering\_value\_at\_20mA: signed integer 32 bit number (int32\_t)

hysteresis\_in\_engineering\_unit: signed integer 32 bit number (int32\_t)

offset\_value: signed integer 32 bit number (int32\_t)

low\_alarm: class

alarm\_enable: bool

alarm\_value: signed integer 32 bit number (int32\_t)

high\_alarm: class

alarm\_enable: bool

alarm\_value: signed integer 32 bit number (int32\_t)

operation\_contacts: class

contact\_select[]: bool

select\_all\_contact: bool

disable\_sms\_email: bool

digital\_output:

element[]: class

description: String

enable\_logic: bool

remote\_override: bool

logic\_expession: String

output\_type: enum{ON, PULSATING, DELAY\_ON, ONE\_SHOT}

pulsating: class

on\_period: unsigned integer 32 bit number (uint32\_t)

off\_period: unsigned integer 32 bit number (uint32\_t)

delay\_on: unsigned integer 32 bit number (uint32\_t)

one\_shot\_on: unsigned integer 32 bit number (uint32\_t)

phone\_group: class

operation\_number: class

element[]: class

phone\_number: String

email: String

name: String

escalation\_number: class

element[]: class

phone\_number: String

name: String

timer: unsigned integer 32 bit number (uint32\_t)

authorized\_number: class

phone\_number: String

name: String

forwarding\_number:

phone\_number: String

name: String

modbus\_configuration: class

modbus\_setting: class

enable: bool

baud\_rate: unsigned integer 32 bit number (uint32\_t)

parity: enum{NODE, ODD, EVEN}

data\_bits: unsigned integer 8 bit number (uint8\_t)

stop\_bits: unsigned integer 8 bit number (uint8\_t)

modbus\_device: class

element[]: class

device\_name: String

device\_ID: unsigned integer 8 bit number (uint8\_t)

modbus\_type: enum{RTU, TCP}

baud\_rate : unsigned integer 32 bit number (uint32\_t)

parity: enum{NODE, ODD, EVEN}

data: unsigned integer 8 bit number (uint8\_t)

stop: unsigned integer 8 bit number (uint8\_t)

timeout: unsigned integer 32 bit number (uint32\_t)

polled: bool

interval: unsigned integer 32 bit number (uint32\_t)

tag: class [//detail image](#tag_detail)

element[]: class

ID: String

name: String

tag\_address: unsigned integer 32 bit number (uint32\_t)

tag\_type: enum{BIT, UNSIGNED\_INT\_16BIT}

raw\_value: unsigned integer 16 bit number (uint16\_t)

parameterize: bool

modbus\_IO\_configuration: class

modbus\_digital\_input\_channel: class

ID: String

device: String

tag (tag name): String

open\_status: String

close\_status: String

alarm\_state: enum{NONE, OPEN, CLOSE}

operation\_contacts: class

contact\_select[]: bool

select\_all\_contact: bool

disable\_sms\_email: bool

modbus\_register: class

ID: String

device: String

tag (tag\_name): String

unit\_mask: String

scale\_offset: class

enable: bool

scale: unsigned integer 32 bit number (uint32\_t)

offset: signed integer 32 bit number (int32\_t)

hysteresis: signed integer 32 bit number (int32\_t)

low\_alarm: class

alarm\_enable: bool

alarm\_value: signed integer 32 bit number (int32\_t)

high\_alarm: class

alarm\_enable: bool

alarm\_value: signed integer 32 bit number (int32\_t)

operation\_contacts: class

contact\_select[]: bool

select\_all\_contact: bool

disable\_sms\_email: bool

modbus\_digital\_output\_channel: class

ID: String

device: String

tag (tag name): String

enable\_logic: bool

remote\_override: bool

logic\_expression: String

output\_type: enum{ON, PULSATING, DELAY\_ON, ONE\_SHOT}

pulsating: class

on\_period: unsigned integer 32 bit number (uint32\_t)

off\_period: unsigned integer 32 bit number (uint32\_t)

delay\_on: unsigned integer 32 bit number (uint32\_t)

one\_shot\_on: unsigned integer 32 bit number (uint32\_t)

system\_configuration: class

change\_password: class

current\_password: String

new\_password: String

verified\_password: String

change\_device\_ID: class

device\_ID: String

change\_date\_and\_time: class

yyyy: unsigned integer 16 bit number (uint16\_t)

mm: unsigned integer 16 bit number (uint16\_t)

dd: unsigned integer 16 bit number (uint16\_t)

hh: unsigned integer 16 bit number (uint16\_t)

mimi: unsigned integer 16 bit number (uint16\_t)

ss: unsigned integer 16 bit number (uint16\_t)

change\_NTP\_server\_setting: class

enable: bool

server: String

time\_zone: unsigned integer 16 bit number (uint16\_t)

LAN\_configuration: class

dynamic\_IP \_check: bool

IP\_address: String

gateway: String

subnet\_mask: String

DNS: String

auto\_health\_check:

enable: bool

\*\*\* auto\_health\_check\_day: enum{} //not sure which values inside the enum

hh: unsigned integer 16 bit number (uint16\_t)

mm: unsigned integer 16 bit number (uint16\_t)

cellular\_network\_connection: class

sim\_card\_pin: String

data\_access: class

APN: String

username: String

password: String

HTTP\_publishing: bool

server: String

port: unsigned integer 16 bit number (uint16\_t)

req\_uri: String

interval: unsigned integer 16 bit number (uint16\_t)

\*\*\*report\_format: enum{} //not sure which values inside the enum

reporting: class

enable: bool

TLS: bool

server: String

port: unsigned integer 16 bit number (uint16\_t)

from\_addr: String

username: String

password: String

SMS\_setting: class

send\_sms\_to\_mobie\_phone: class

destination: String

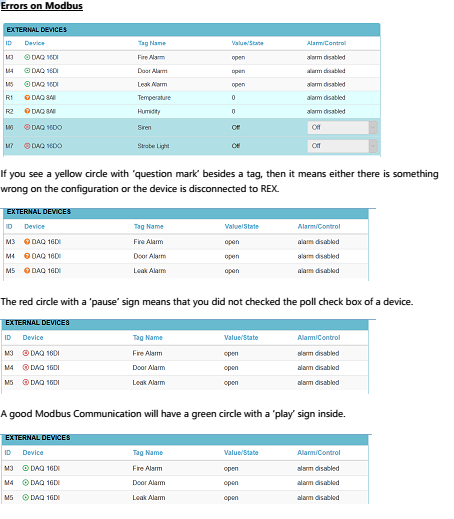
message: String

repeat\_sms\_on\_alarm\_state: enum{UNLIMITED, NONE, ONE\_TIME, TWO\_TIME, THREE\_TIME, FOUR\_TIME}

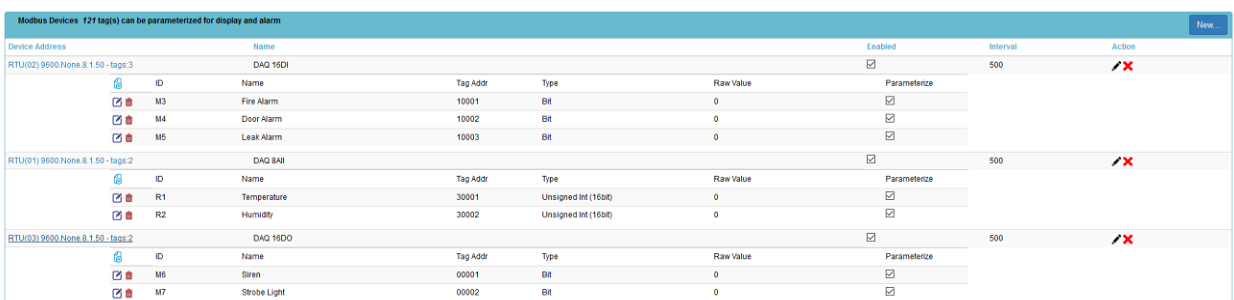
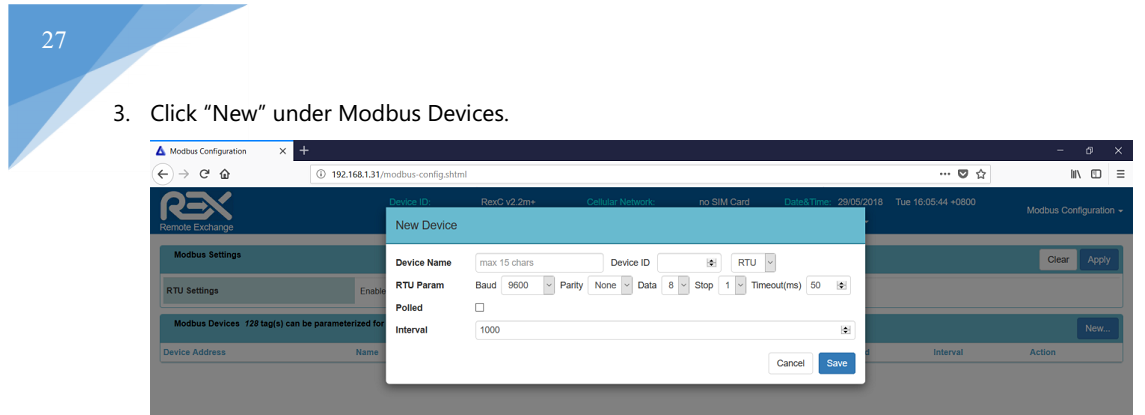
SMS\_repeat\_interval: unsigned integer 16 bit number (uint16\_t)

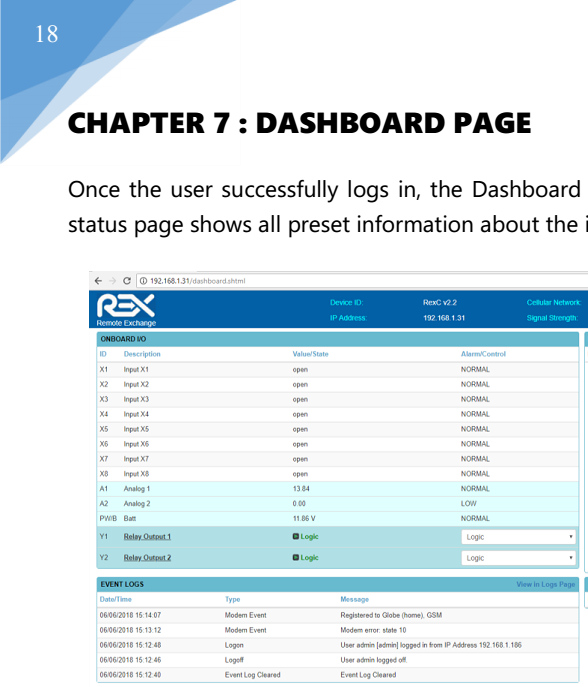
send\_sms\_when\_status\_returns\_to\_normal: bool

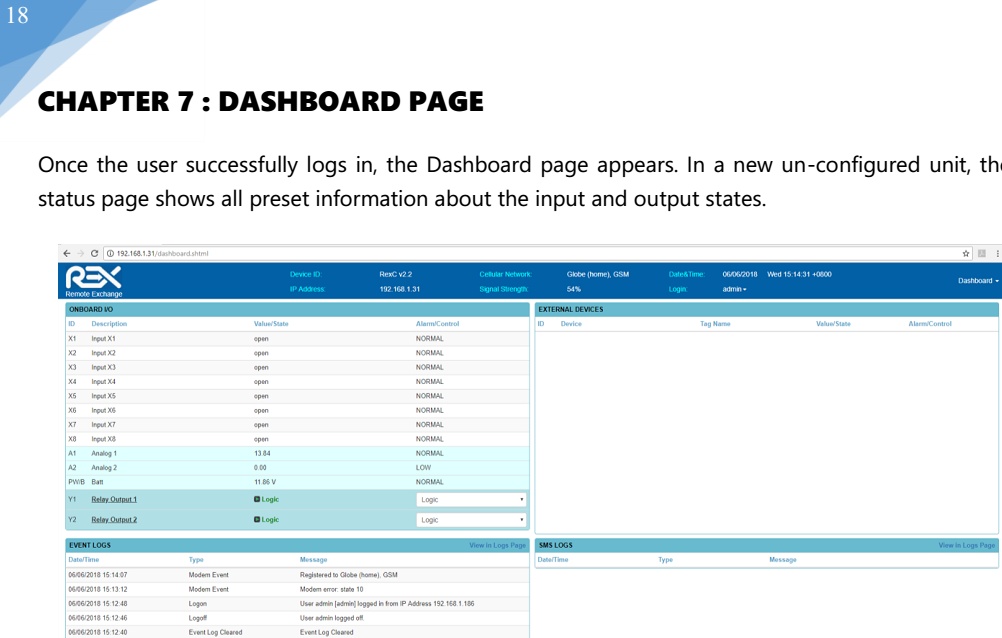
maintenance:

[](#Modbus_device_state_current_position)

Hình : Modbus device state

[](#tag_current_position)

[](#event_log_type_current_position)

[](#sms_log_type_current_positon)