M2M, IoT, IwT, IoE... ?

Mobi.Control

MORE CONTROL
LESS MONEY

CONTRIVE

M2M IS SOMETHING EXISTING FROM A LONG TIME

THE FIRST TELEMETRY SYSTEMS WERE RESERVED TO A FEW LARGE ENTITIES

THROUGH THE INTERNET

TODAY WE CAN REACH

ANYONE

ANYTHING

ANYTIME

ANYWHERE

HOW THIS EVOLUTION CAN BE DEFINED ?

M2M
MACHINE TO MACHINE
MAN TO MACHINE

IoT
INTERNET OF THINGS

IwT
INTERNET WITH THINGS

IoE
INTERNET OF EVERYTHING

EVOLVING OUR GSM REMOTE CONTROL DEVICES WE TRIED TO

REMOVE COMPLEXITY
WITHOUT LIMITING DEVICES PERFORMANCE

SIMPLIFY THE INSTALLATION
WITHOUT HAVING A MERE PLUG & PLAY SYSTEM

REACH THE INTERNET
WITHOUT INCREASING BUY & MANAGEMENT COSTS

THAT'S WHY
NEW MOBI FAMILY DEVICES
CAN DO MANY THINGS, BUT...

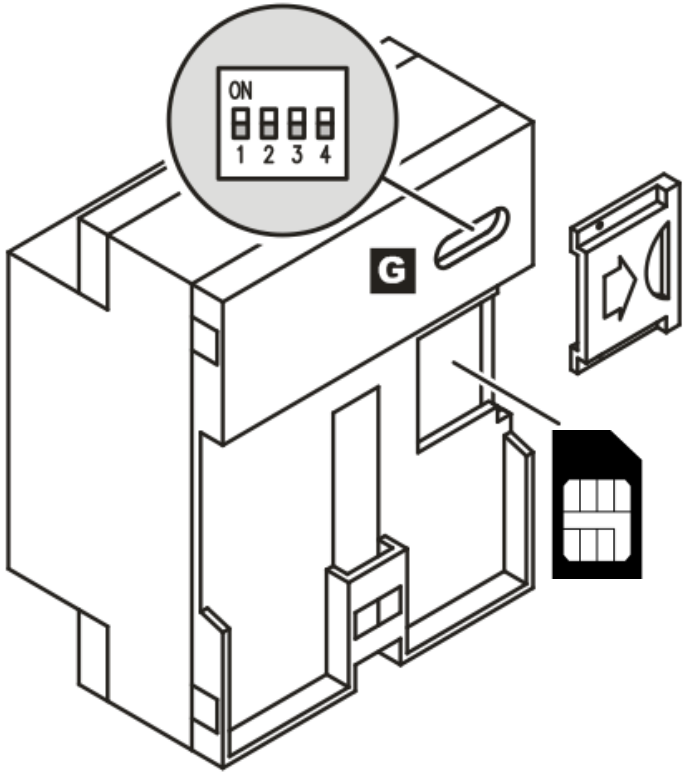
YOU DON'T NEED TO USE ALL THE FEATURES
OR ANY OF THEM, FOR THAT MATTER

SET UP THE FUNCTIONS YOU NEED
BUT IT IS GREAT TO HAVE THEM WHEN YOU NEED THEM

EXPAND THE USAGE OVER TIME
YOU CAN ADD NEW SERVICES AS YOU GO

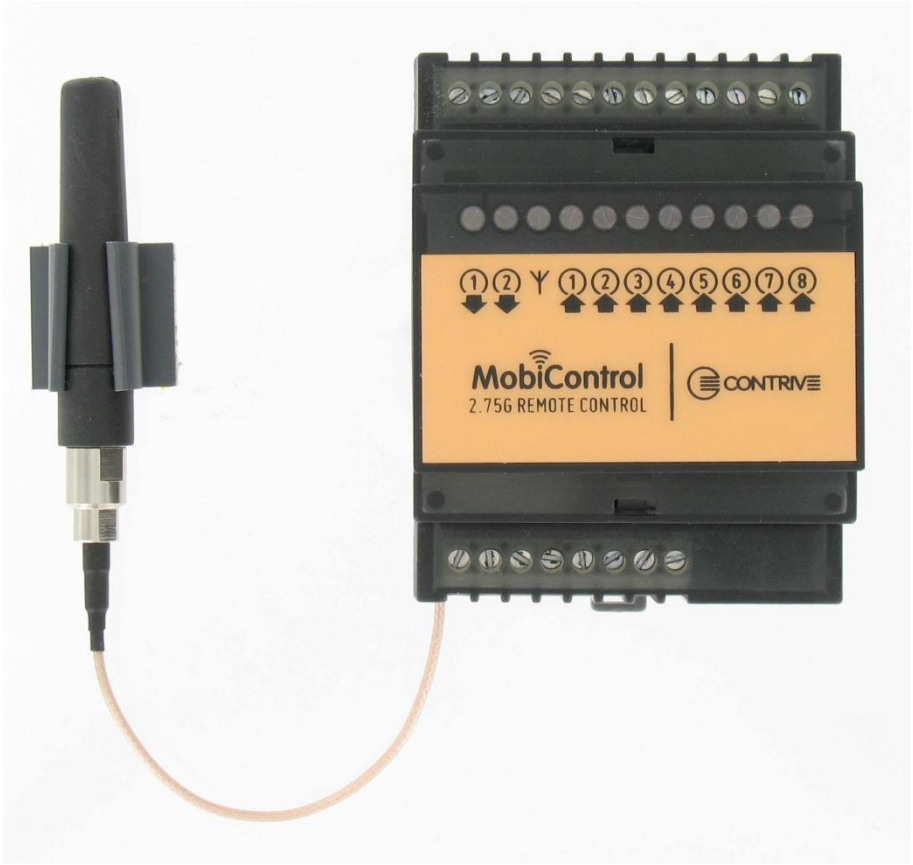
INSERT SIM CARD BEFORE TO INSTALL THE PRODUCT

SELECT ANALOG INPUTS MODE
(DIPSWITCH G)
Mobi.Switch AND Mobi.Control ONLY



CONNECT THE ANTENNA TO THE FME CONNECTOR

BELOW YOU CAN SEE A COMPACT SOLUTION



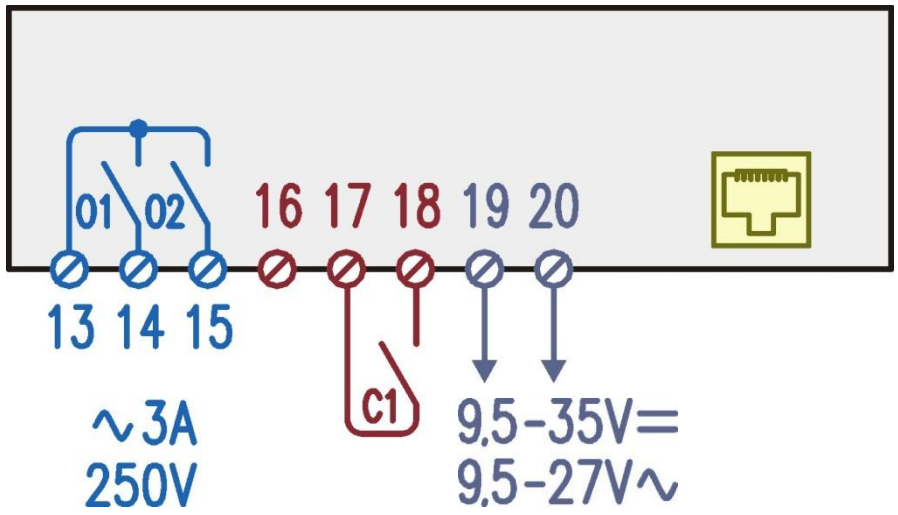
Mobi.Key

2 RELAY OUTPUTS
3A / 250VAC

1 MULTIFUNCTION INPUT
DIGITAL
TIME COUNTER
PULSE COUNTER

- POWER SUPPLY
9,5 ... 27 VAC / 9,5 ... 35 VDC

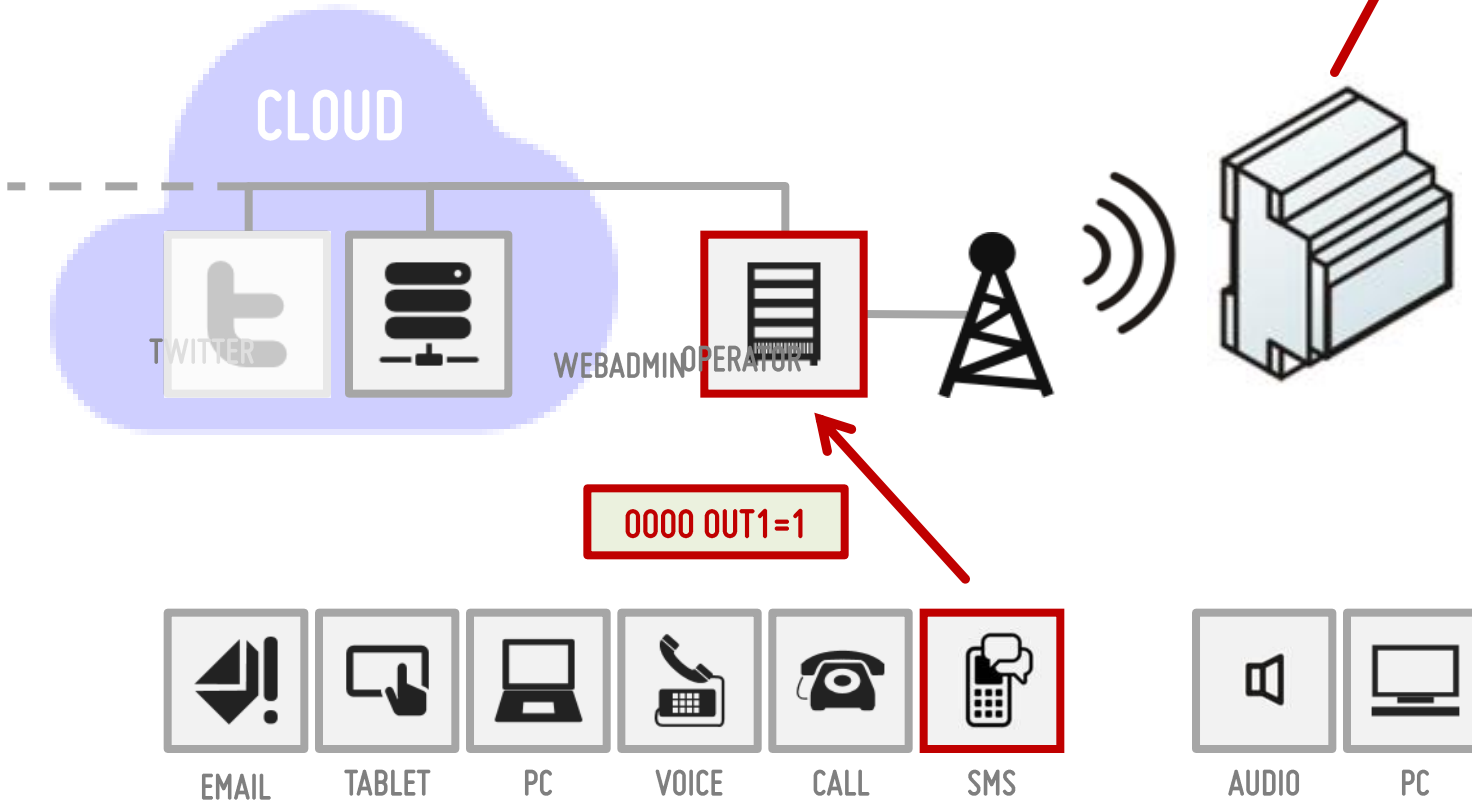
- RJ CONNECTOR
COMMUNICATION PORT
5VDC POWER SUPPLY
LOUDSPEAKER



Mobi.Key

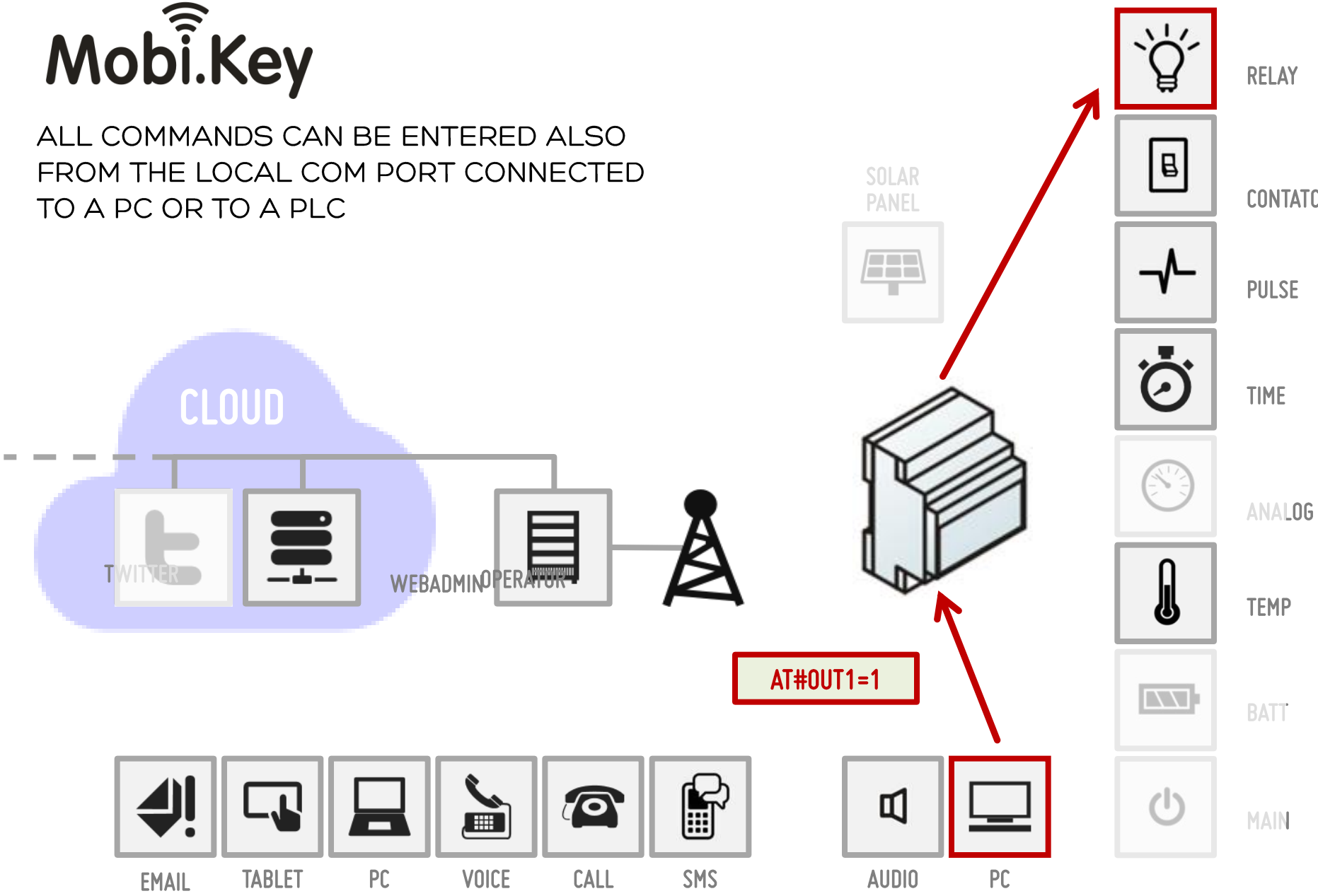
USE IT QUICKLY !

- INSERT SIM CARD
- PROVIDE 12...24V$_{AC/DC}$ POWER SUPPLY
- SEND AN SMS :
  PASSWORD AND ONE OR MORE COMMANDS (UP TO 5)



Mobi.Key

ALL COMMANDS CAN BE ENTERED ALSO FROM THE LOCAL COM PORT CONNECTED TO A PC OR TO A PLC



Mobi.Key

ADD USERS THAT WILL :
- ACTIVATE OUTPUTS BY MEANS OF FREE CALLS
- CONTROL BY MEANS OF SHORTCUT COMMANDS

IF YOU WANT YOU CAN ALSO DEFINE :
- START OF ENABLING PERIOD
- EXPIRY OF ENABLING PERIOD
- ALLOWED OPERATIONS (TICKETS)

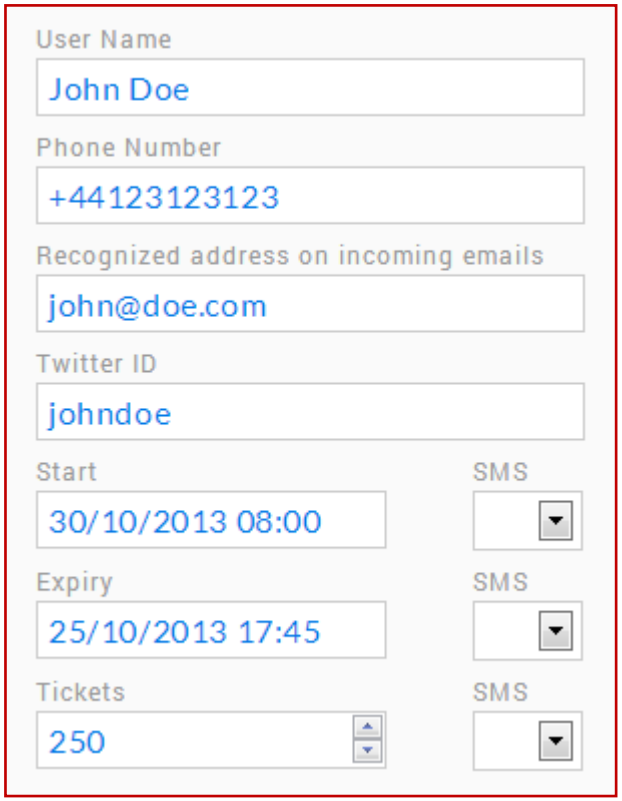
THESE CONFIGURATIONS CAN BE MADE THROUGH LOCAL COM PORT CONNECTED TO A PC RUNNING OUR FREE TOOL

Mobi.Suite

BY MEANS OF ONLINE CONFIGURATION AND CONTROL PANEL

www.webadmin.mobi

... LATER WE'LL SEE HOW TO ENABLE IT



Mobi.Key

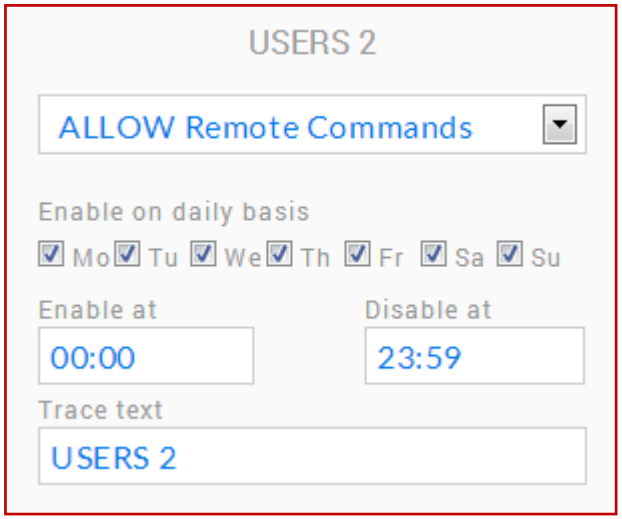
YOU CAN ASSIGN A USER TO ONE OF TWO AVAILABLE GROUPS :

- GROUP 1 (STORED INTO THE SIM CARD)
  100 250 500 999 USERS, DEPENDING ON THE SIM CARD
- GROUP 2 (STORED WITHIN THE DEVICE)
  UP TO 400 USERS

YOU CAN DISABLE A GROUP WITH THE COMMAND
- STOP1 / STOP2

AND OF COURSE REENABLE
- START1 / START2

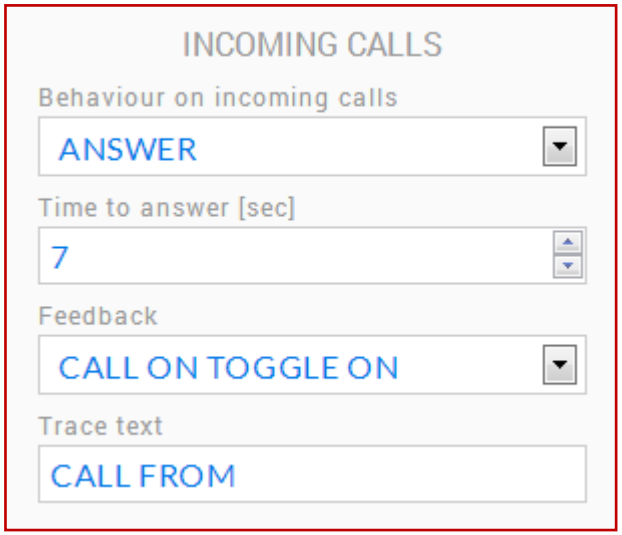
YOU CAN ALSO CONFIGURE THE DEVICE TO ACCEPT COMMANDS ONLY ON CERTAIN DAYS OF THE WEEK AND SPECIFIC HOURS



Mobi.Key

DEFINE THE ACTION TO BE CARRIED OUT AT THE INCOMING CALL TO AN ACTIVE USER :

- NO ACTION
  THE CALL WILL BE TERMINATED IMMEDIATELY
- SWITCH ON OUTPUT
  FOR A TIME FROM 1 TO 300 seconds
- TOGGLE OUTPUT
  TURN OFF WHILE ON, TURN ON WHILE OFF
- SEQUENCE
  OUTPUT 1 + PAUSE + OUTPUT 2 (ADJUSTABLE TIME)
- ANSWER
  AND ACCEPTS KEYPAD COMMANDS (DTMF)



YOU MAY ALSO WANT A CONFIRMATION :

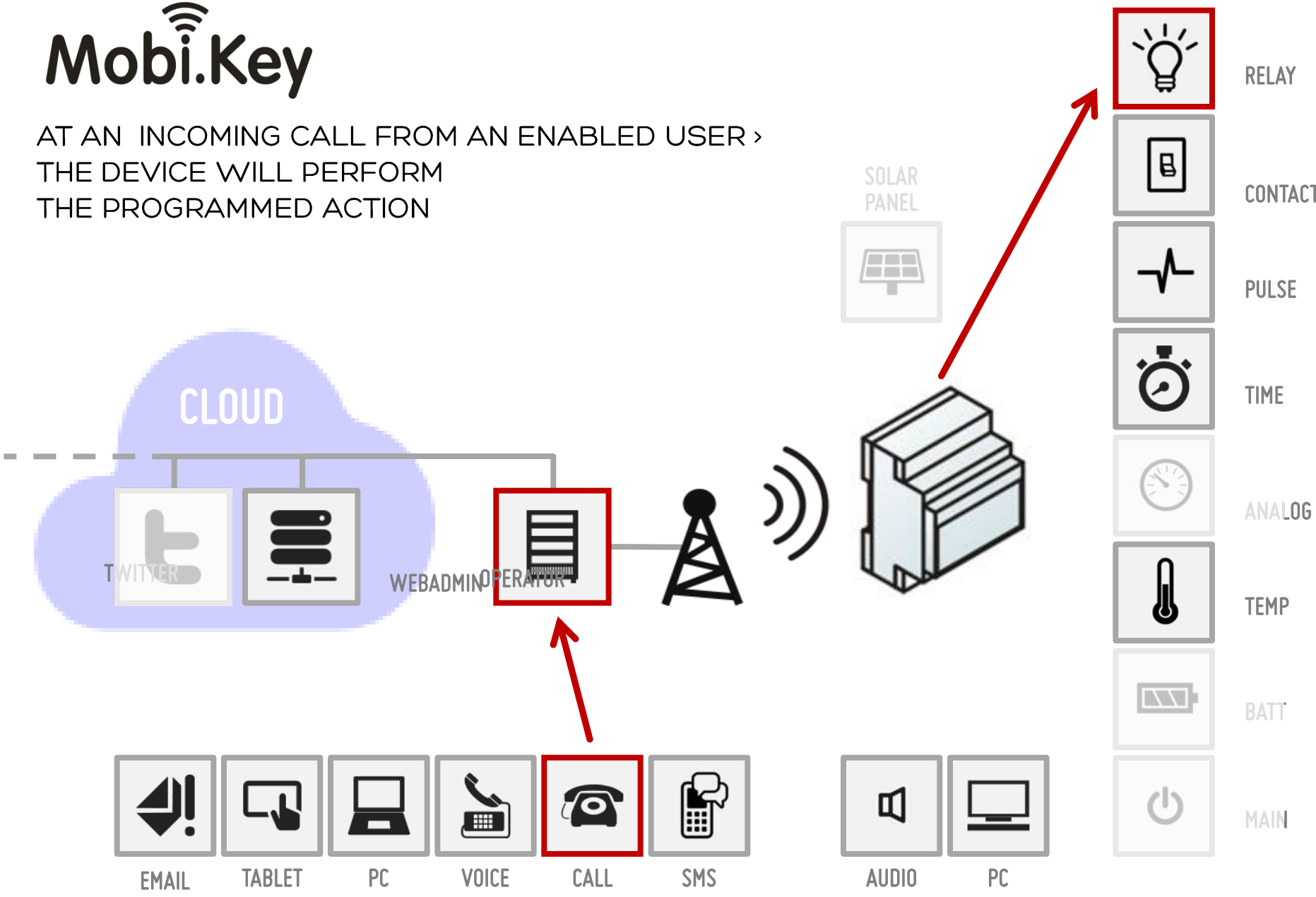
- NONE
- CALL
- CALL ONLY IF OUTPUT HAS BEEN TURNED ON
- SEND A STATUS SMS

INCOMING 'VOICE' CALL WORKS ON OUTPUT 1

INCOMING 'DATA' CALL WORKS ON OUTPUT 2

Mobi.Key

AT AN INCOMING CALL FROM AN ENABLED USER ›
THE DEVICE WILL PERFORM
THE PROGRAMMED ACTION



Mobi.Key

SET SHORTCUT COMMANDS ALLOWED TO ENABLED USERS WITHOUT NEED TO ENTER THE PASSWORD

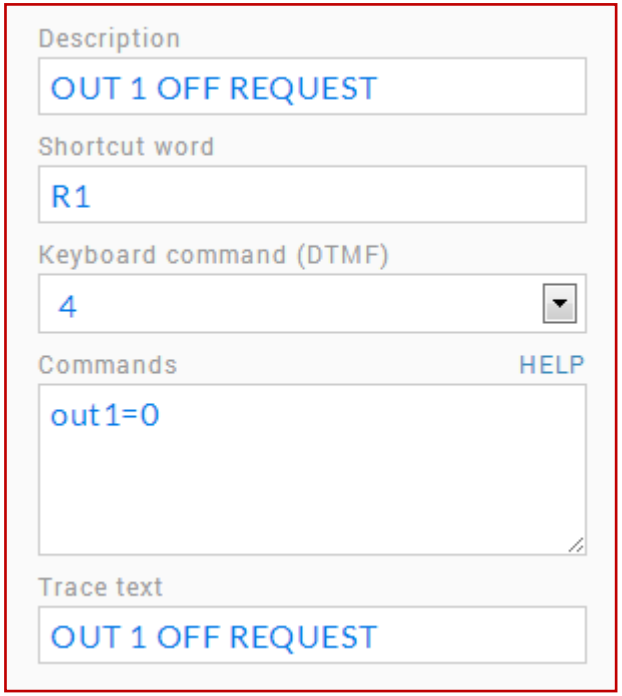
CHOOSE THE WORD THAT WILL BE RECOGNIZED

YOU CAN ALSO DEFINE A KEY TO PERFORM THE SAME FUNCTION DURING AN ACTIVE CALL

SPECIFY UP TO 5 COMMANDS TO BE CARRIED OUT WHEN THE SHORTCUT COMMAND IS RECEIVED

ENTER THEM EXACTLY YOU WOULD DO BY SENDING AN SMS

UNRECOGNIZED COMMANDS WILL BE IGNORED



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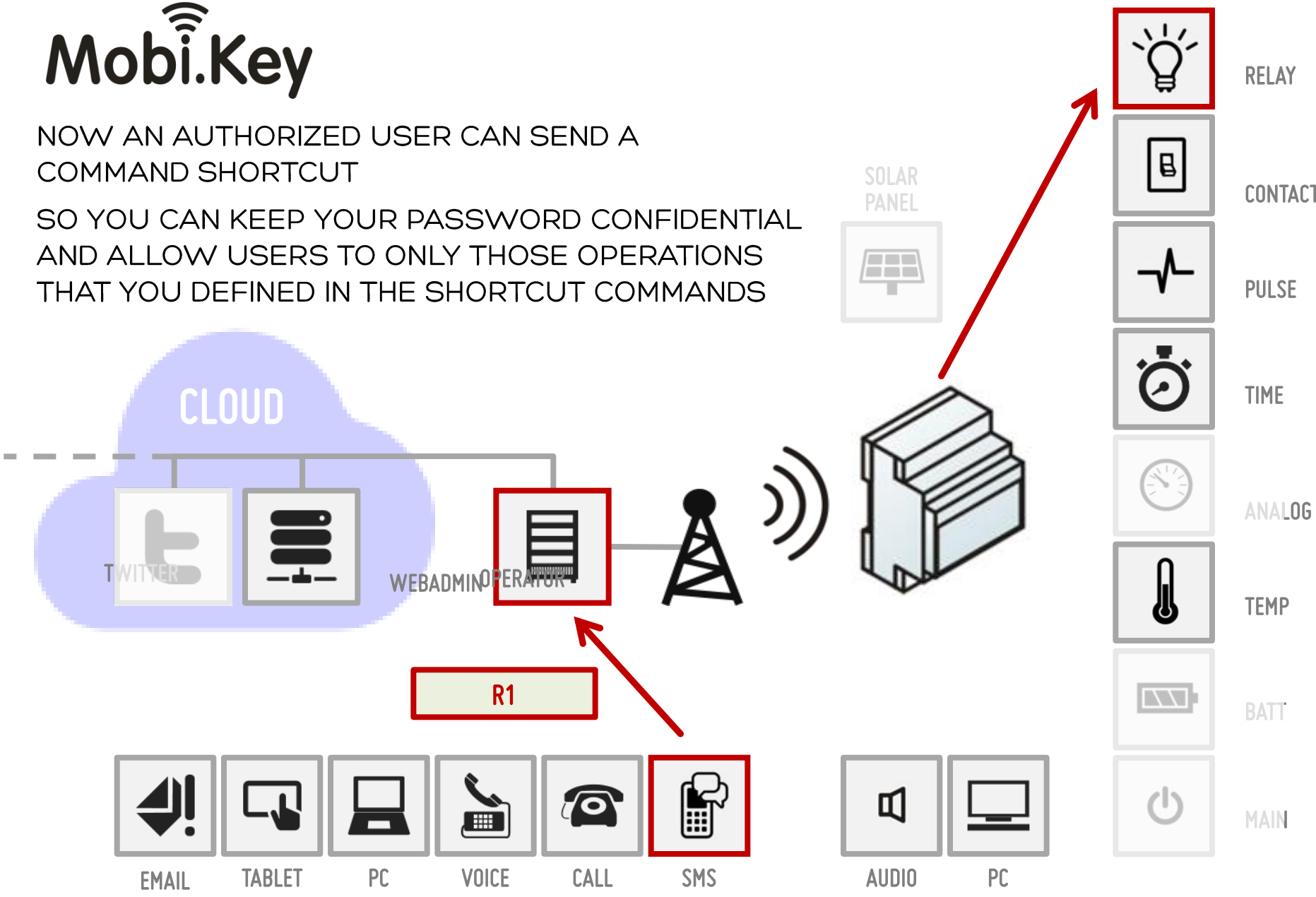
NOW AN AUTHORIZED USER CAN SEND A COMMAND SHORTCUT

SO YOU CAN KEEP YOUR PASSWORD CONFIDENTIAL AND ALLOW USERS TO ONLY THOSE OPERATIONS THAT YOU DEFINED IN THE SHORTCUT COMMANDS



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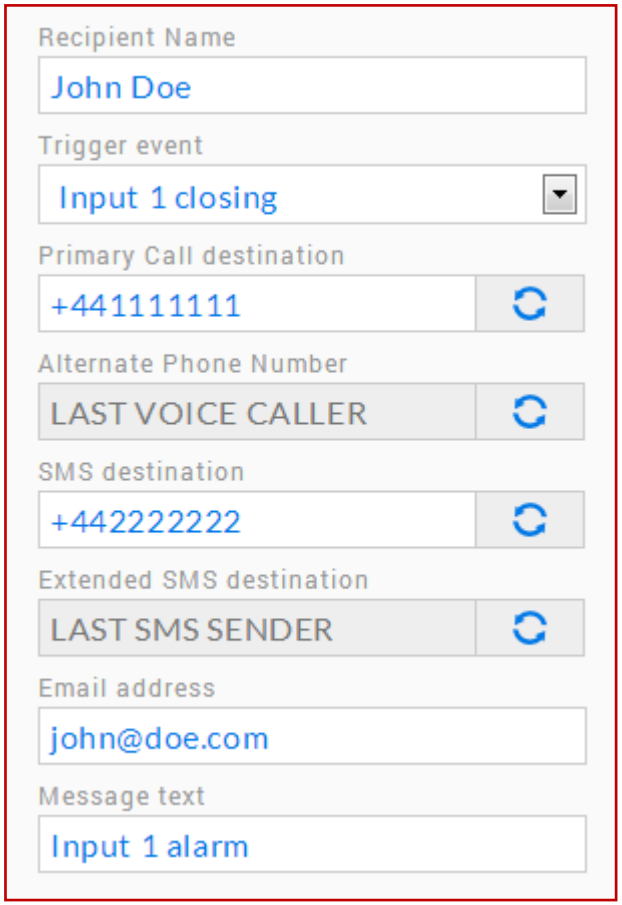
YOU CAN CONFIGURE UP TO 100 RECIPIENTS
ALERTS TO BE SENT ON EVENT OCCURRENCE

ENTER THE NAME AND CHOOSE THE EVENT,
NOW SET ONE OR MORE ALERTS :

- VOICE CALL
  IF THE RECIPIENT ANSWERS WILL HEAR A WARNING
- ALTERNATE VOICE CALL
  IF THE FIRST NUMBER IS NOT REACHABLE
- SMS
  WITH SPECIFIC TEXT FOR EACH RECIPIENT
- EXTENDED SMS
  INCLUDING COMPLETE DEVICE STATUS
- EMAIL
  MESSAGE + STATUS + CELL LOCATION
- MESSAGE TEXT
  UP TO 50 CHARACTERS

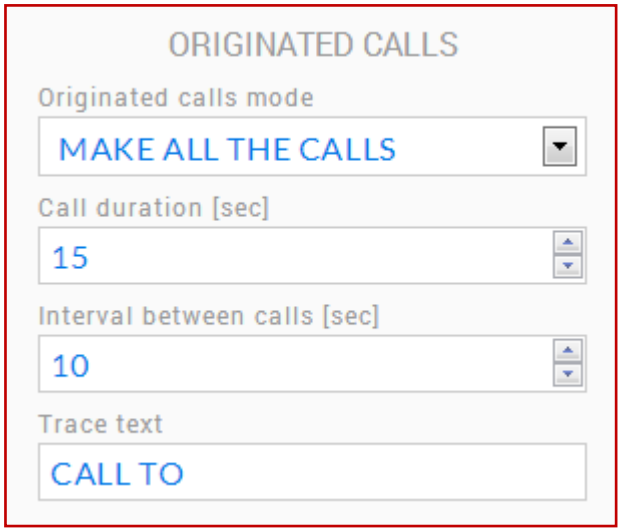


DESTINATION MAY BE A STATIC OR DYNAMIC PHONE NUMBER :
LAST VOICE CALLER - LAST SMS SENDER - LOCAL COM PORT
DEVICE ITSELF - DEVICE TWITTER ACCOUNT

Mobi.Key

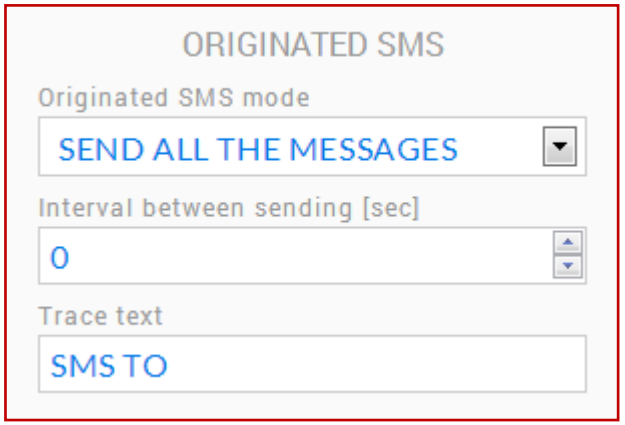
YOU CAN DECIDE WHETHER TO MAKE ALL ALERT CALLS OR TERMINATE WHEN ONE OF THE RECIPIENTS ANSWERS AND PRESSES A KEYPAD BUTTON (ACKNOWLEDGE)

YOU CAN ALSO DEFINE THE INTERVAL BETWEEN CONSECUTIVE CALLS AND THE DURATION OF ANY ATTEMPT TO CALL



THE SAME WAY YOU CAN DECIDE WHETHER TO SEND ALL TEXT MESSAGES OR TERMINATE WHEN A RECIPIENT REPLICATES WITH AN ACKNOWLEDGE SMS "ACK"

SET THE DELAY BETWEEN CONSECUTIVE SMS



Mobi.Control

EXTENDED SMS INCLUDES THE SPECIFIC TEXT OF THE RECIPIENT AND THE STATUS OF ALL ENABLED RESOURCES

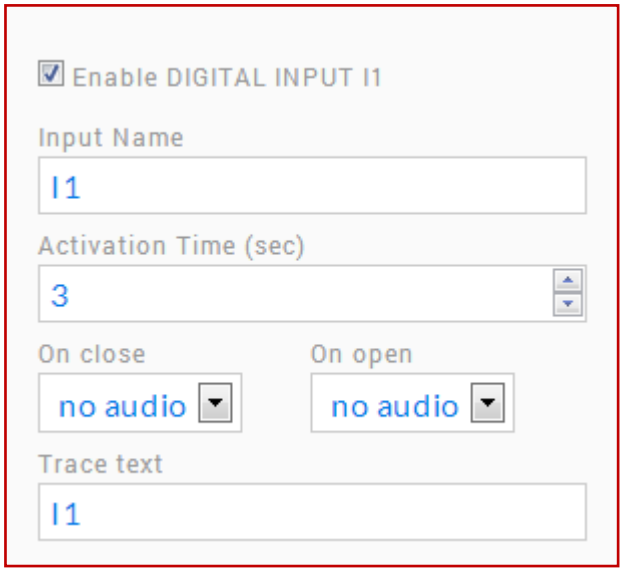
IF ALL RESOURCES ARE ACTIVE STATUS WILL BE SENT VIA MULTIPLE SMS

THE SAME STATUS MESSAGE CAN BE SENT ON REQUEST OR AS A SCHEDULED ACTIVITY

Mobi.Key

YOU CAN CONFIGURE EACH INPUT
AND EACH OUTPUT :

- ASSIGN A NAME
  THAT IDENTIFIES THE CHANNEL
- SET THE RESPONSE TIME 1 … 300 seconds
  SHORTEST EVENTS WILL BE IGNORED
- LOCAL SOUND
  THE SOUND TO BE PLAYED ON EVENT
  ASSOCIATED WITH CHANNEL
  - Mobi.Control : 9 TONES ON EMBEDDED BUZZER
  - ALL DEVICES : A VOICE MESSAGE TO BE REPRODUCED
    ON THE EXTERNAL LOUDSPEAKER
- TRACE TEXT
  WILL BE USED TO IDENTIFY THE EVENT SAVED IN THE
  DEVICE MEMORY (LOG) WHICH CAN HOLD UP TO 98 EVENTS
  THE SAME TEXT CAN BE SENT TO THE LOCAL COM PORT
  OR TO REMOTE LOG (WEB SERVICE)



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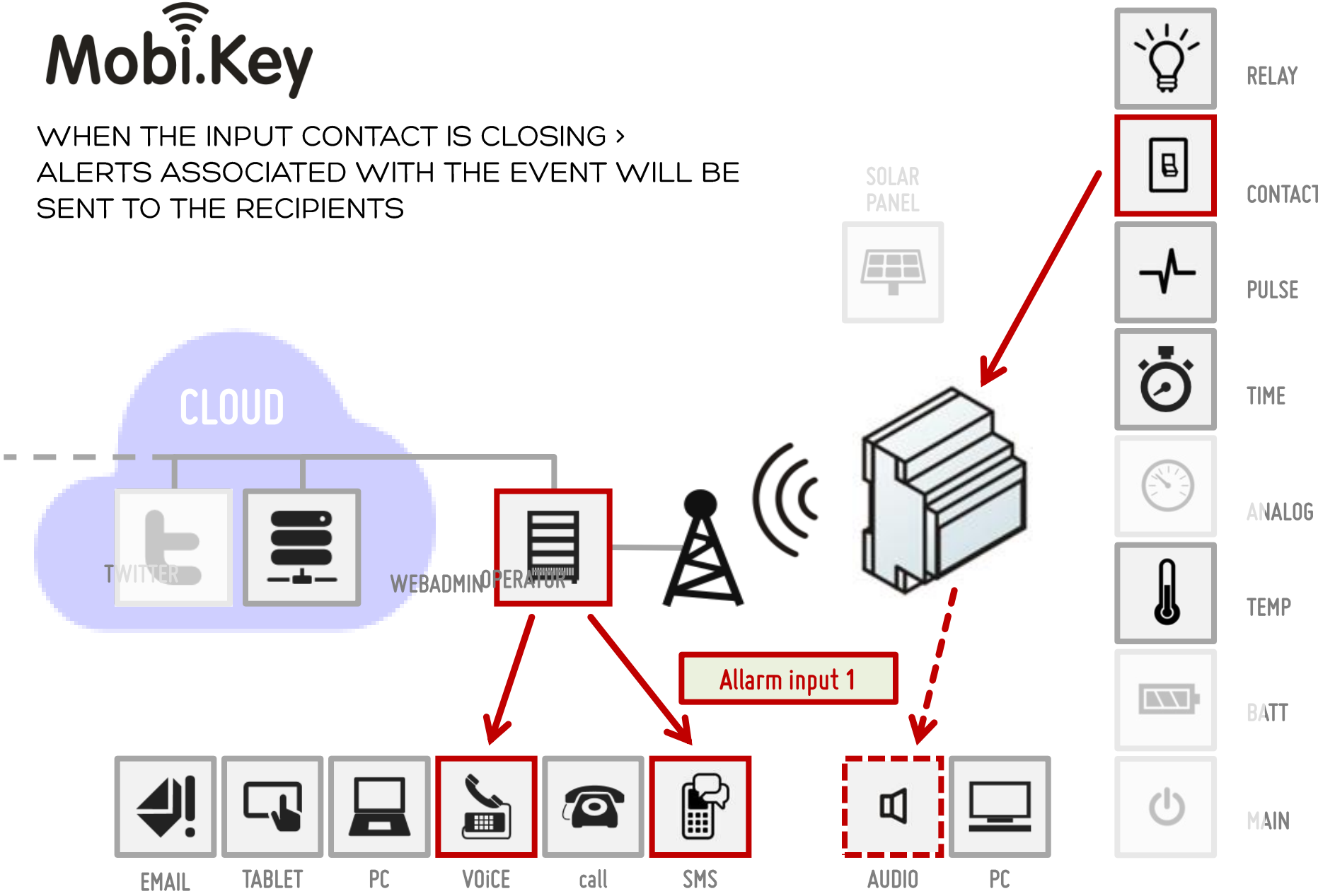
WHEN THE INPUT CONTACT IS CLOSING ›
ALERTS ASSOCIATED WITH THE EVENT WILL BE SENT TO THE RECIPIENTS

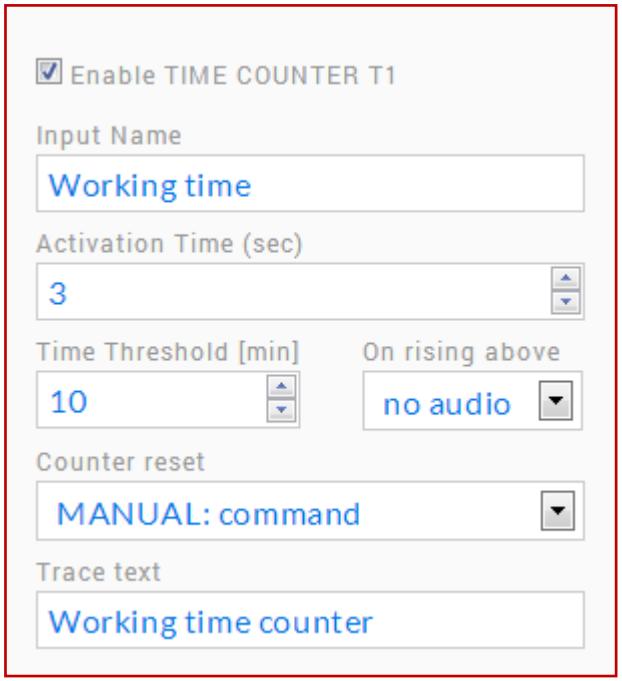


Mobi.Key

YOU CAN USE THE DIGITAL INPUT AS A TIME COUNTER THAT IS INCREMENTED WHEN THE INPUT IS CLOSED: :

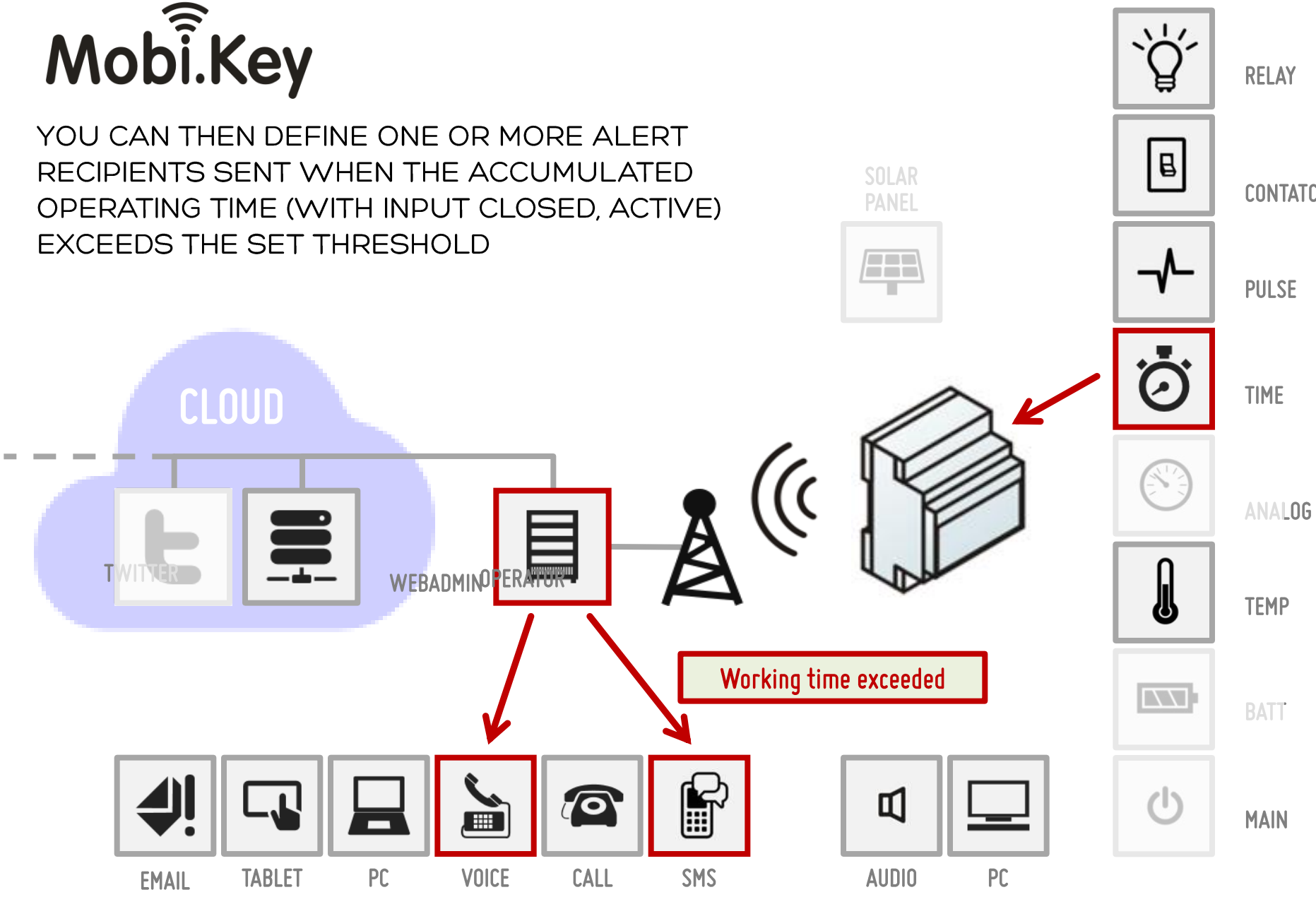
- ASSIGN A NAME
  THAT IDENTIFIES THE FUNCTION
- SET THE RESPONSE TIME 1 ... 300 seconds
  SHORTEST EVENTS WILL BE IGNORED
- YOU CAN SET A TIME THRESHOLD
  REACHING THE VALUE AN ALERT WILL BE SENT AND / OR A LOCAL SOUND IS REPRODUCED
- COUNTER RESET
  CAN BE ON REQUEST, WITH COMMAND OR AUTOMATICALLY WHEN IT REACHES THE ACCUMULATED TIME THRESHOLD

THE ACCUMULATED TIME IS GIVEN AT EVERY STATUS REQUEST
(EVEN IF YOU HAVE NOT SET ANY THRESHOLD)



Mobi.Key

YOU CAN THEN DEFINE ONE OR MORE ALERT RECIPIENTS SENT WHEN THE ACCUMULATED OPERATING TIME (WITH INPUT CLOSED, ACTIVE) EXCEEDS THE SET THRESHOLD

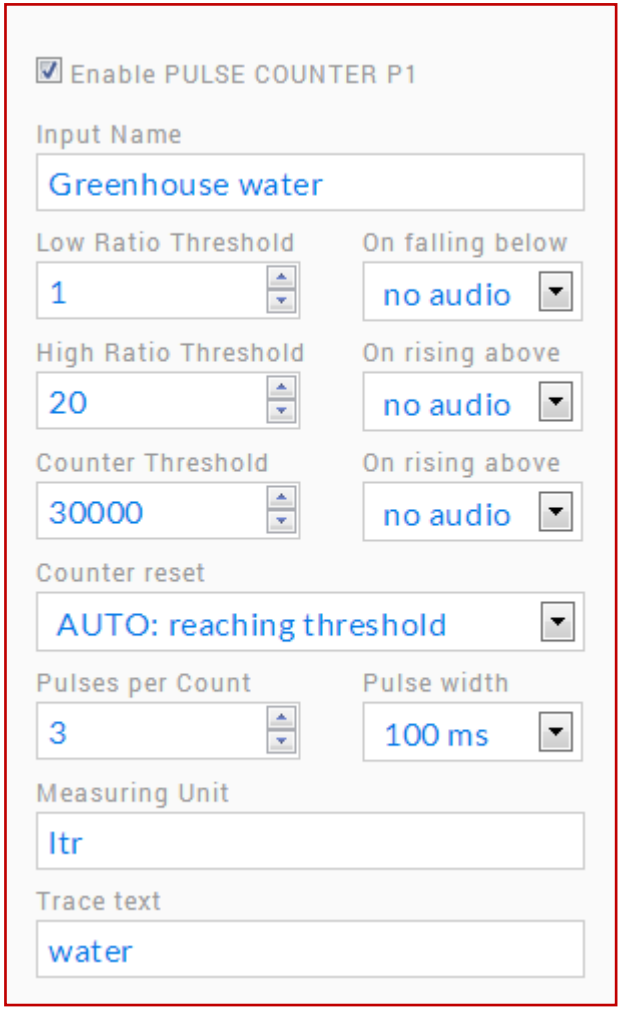


Mobi.Key

… OR YOU MAY ENABLE DIGITAL INPUT AS PULSE COUNTER, SETTING :

- LOW RATIO THRESHOLD
  FOR EXAMPLE A MINIMUM FLOW RATE
- HIGH RATIO THRESHOLD
  FOR EXAMPLE A MAXIMUM FLOW RATE
- COUNTER THRESHOLD
  FOR EXAMPLE THE TOTALIZED CONSUMPTION
- PULSES PER COUNT
  HOW MANY PULSES ARE NEEDED TO INCREMENT THE COUNTER BY 1
- MINIMUM DETECTABLE PULSE
  TO MEET CONNECTED SENSOR, FOR EXAMPLE
  MECHANICAL CONTACTS 100 milliseconds
  ELECTRONIC CONTACTS 20 milliseconds

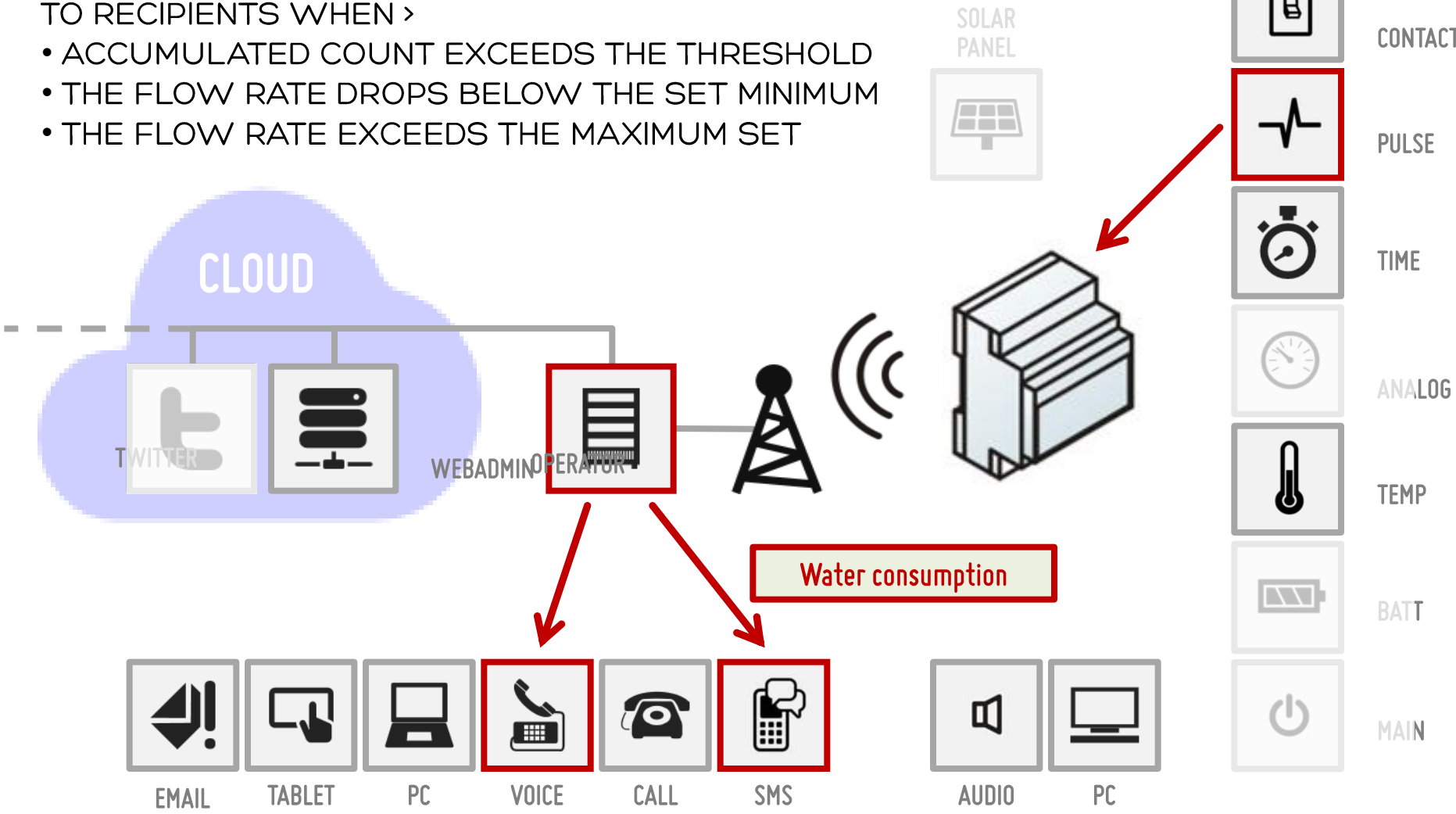
THE ACCUMULATED COUNT IS GIVEN AT EVERY STATUS REQUEST, FOLLOWED BY THE UNIT (EVEN IF YOU HAVE NOT SET ANY THRESHOLD)



Mobi.Key

THEN YOU CAN DEFINE ONE OR MORE ALERTS
TO RECIPIENTS WHEN >

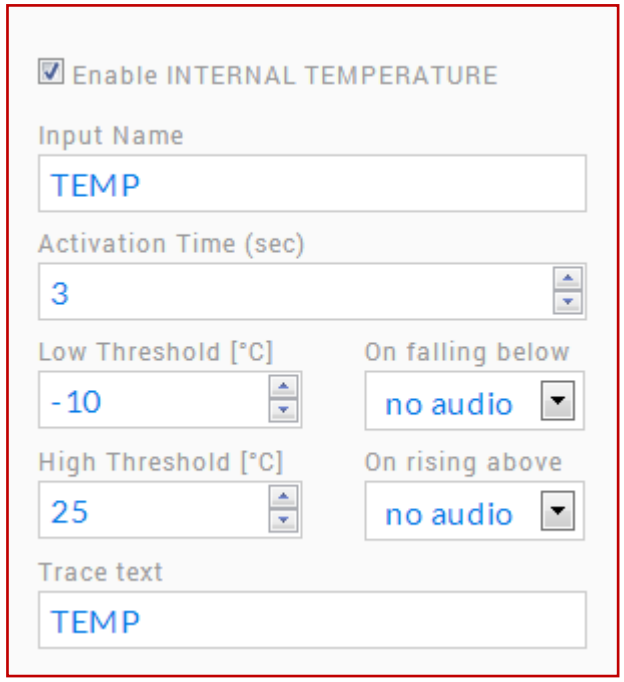
- ACCUMULATED COUNT EXCEEDS THE THRESHOLD
- THE FLOW RATE DROPS BELOW THE SET MINIMUM
- THE FLOW RATE EXCEEDS THE MAXIMUM SET



Mobi.Key

A BUILT IN SENSOR ALLOWS YOU TO KNOW THE DEVICE TEMPERATURE (IN MOST CASES IS NEAR THE AMBIENT TEMPERATURE)

YOU CAN USE THIS CHANNEL AS ANY OTHER INPUT DEFINING THRESHOLDS FOR LOW AND HIGH TEMPERATURE IN THE RANGE -40 ... +85 ° C

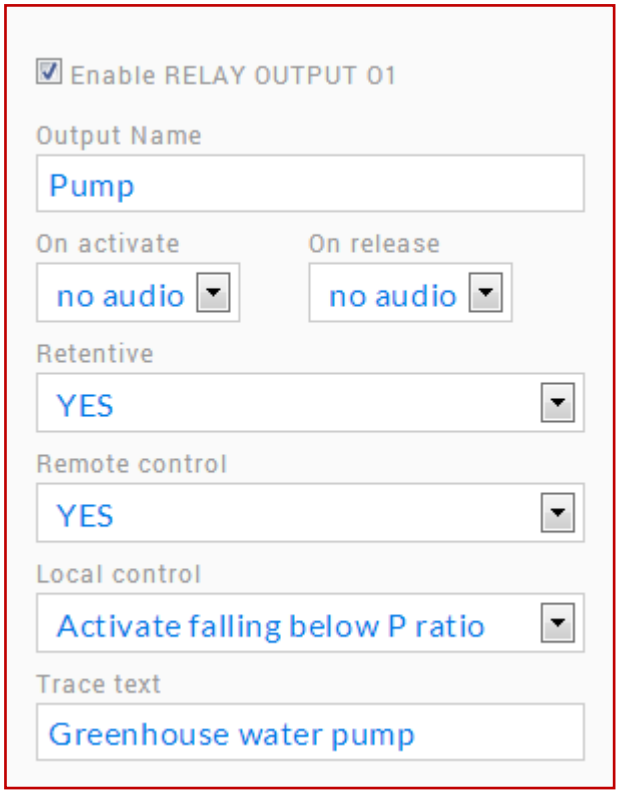


Mobi.Key

YOU CAN ALSO CONFIGURE THE BEHAVIOR OF THE OUTPUTS :

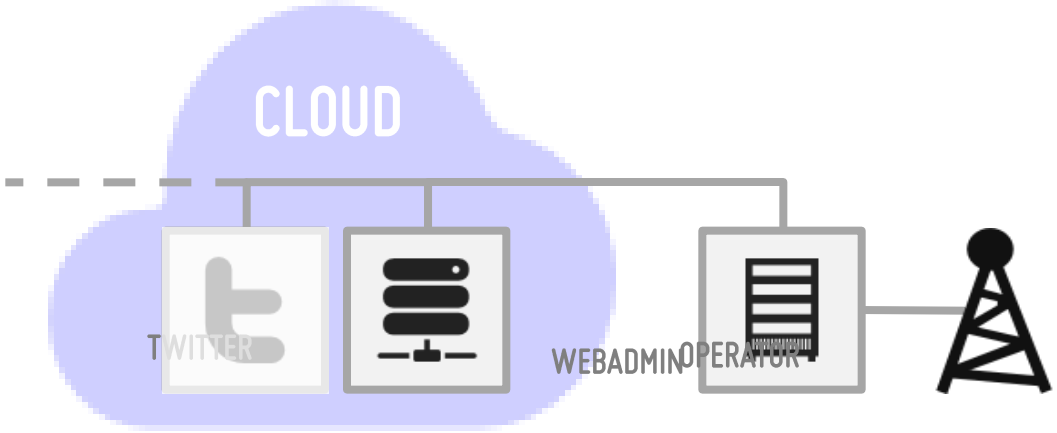
- ASSIGN A NAME
  THAT IDENTIFIES THE CHANNEL
- LOCAL SOUND
  THE SOUND TO BE PLAYED ON OUTPUT ACTIVATION AND/OR RELEASE
- RETENTIVE
  ENABLE IF YOU WANT THE OUTPUT RESTORED AFTER A POWER FAILURE
- REMOTE CONTROL
  DISABLE IF YOU DO NOT WANT TO ALLOW THE CONTROL BY REMOTE COMMANDS
- LOCAL CONTROL
  YOU CAN BIND THE OUTPUT TO A LOCAL EVENT

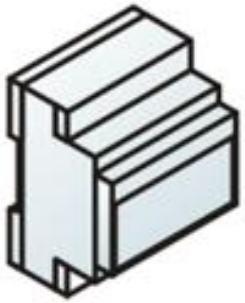
SO YOU CAN BUILD A SMALL LOCAL LOGIC AS YOU WOULD IN A PROGRAMMABLE RELAY OR A SMALL PLC

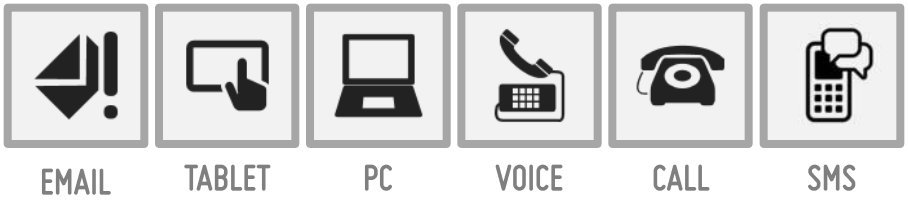


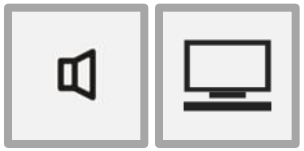
Mobi.Key

IN THIS EXAMPLE OUTPUT 1 IS TURNED ON
WHENEVER THE FLOW RATE MEASURED AT THE
INPUT EXCEEDS THE SET THRESHOLD
YOU CAN TURN IT OFF REMOTELY
(IF THIS OPTION HAS BEEN ENABLED)









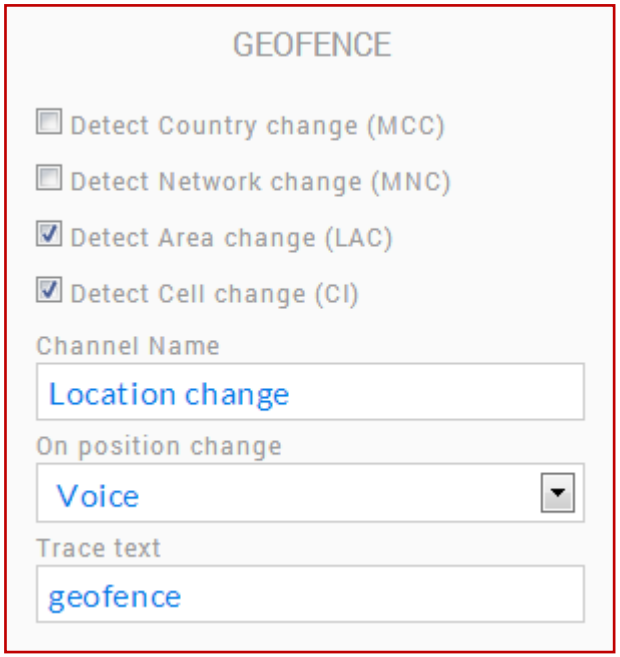
Mobi.Key

YOU CAN ENABLE THE GSM NETWORK MONITOR AND DETECT THE CHANGE OF LOCATION :

- MCC - COUNTRY CHANGE
  MOBILE COUNTRY CODE
- MNC - NETWORK CHANGE
  MOBILE NETWORK CODE
- LAC - AREA CHANGE
  LOCAL AREA CODE
- CI - CELL CHANGE
  CELL ID

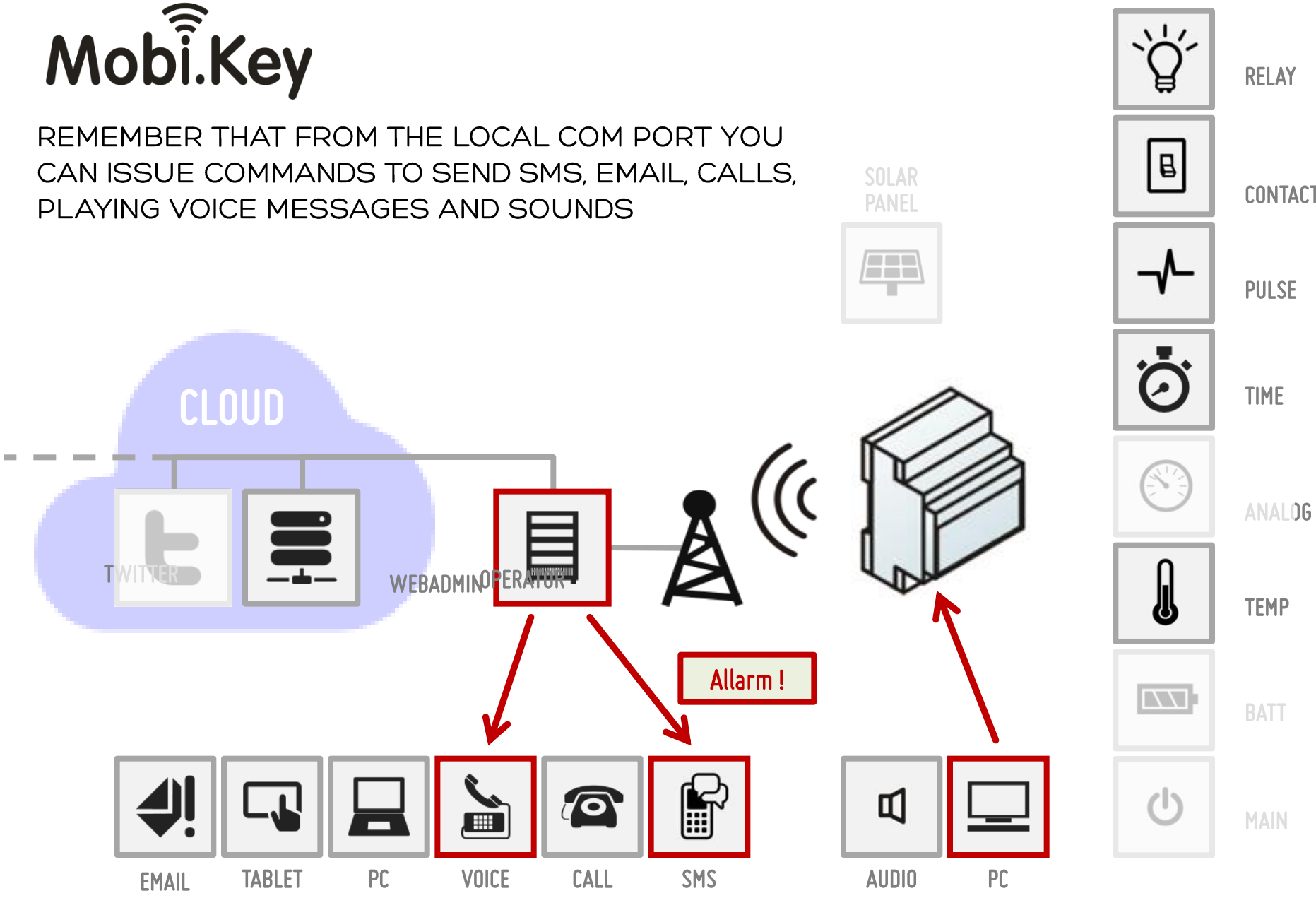
YOU CAN USE THE 4 EVENTS OF THIS CHANNEL AS ANY OTHER INPUT

ONCE ENABLED YOU CAN ASSOCIATE IT TO RECIPIENTS ALERTS AND/OR LOCAL ACTIONS



Mobi.Key

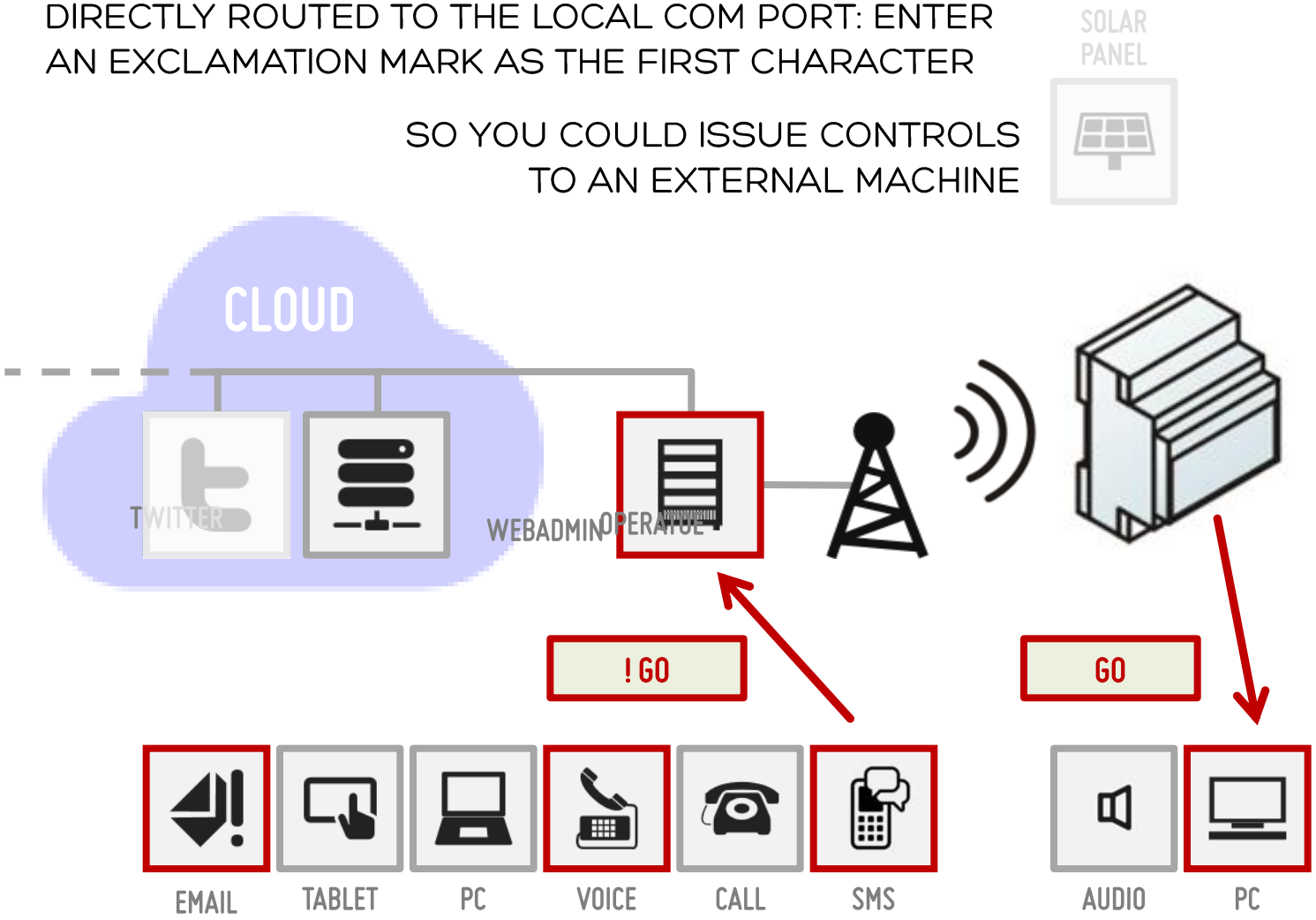
REMEMBER THAT FROM THE LOCAL COM PORT YOU CAN ISSUE COMMANDS TO SEND SMS, EMAIL, CALLS, PLAYING VOICE MESSAGES AND SOUNDS



Mobi.Key

YOU CAN ALSO SEND A MESSAGE THAT WILL BE DIRECTLY ROUTED TO THE LOCAL COM PORT: ENTER AN EXCLAMATION MARK AS THE FIRST CHARACTER

SO YOU COULD ISSUE CONTROLS TO AN EXTERNAL MACHINE



start1	ENABLE USERS BELONGING TO GROUP 1
stop1	DISABLE USERS BELONGING TO GROUP 1
start2	ENABLE USERS BELONGING TO GROUP 2
stop2	DISABLE USERS BELONGING TO GROUP 2
alert	ENABLE ALARTES TO RECIPIENTS
noalert	DISABLE ALARTES TO RECIPIENTS
isms	ENABLE INTERACTIVE SMS
noisms	DISABLE INTERACTIVE SMS
sms	SEND A GENERIC SMS
tweet	SEND A GENERIC TWEET
email	SEND A GENERIC EMAIL
status	ASK FOR DEVICE STATUS
out	SWITCH OUTPUT ON/OFF
in	INPUT OPEN/CLOSE SIMULATION
clock	SET REAL TIME CLOCK
set1	SET VALUE FOR SETPOINT 1
set2	SET VALUE FOR SETPOINT 2
thr	SET ANALOG/COUNTER THRESHOLDS
zero1	RESET COUNTER 1
zero2	RESET COUNTER 2

log	ASK FOR LOG MEMORY (LAST 98 EVENTS)
clearlog	CLEAR EVENTS MEMORY
logstatus	SAVE CURRENT STATUS TO LOG MEMORY
logemail	SEND LOG MEMORY TO EMAIL ADDRESS
apn	SET APN AND ENABLE WEB SERVICES
noapn	DELETE APN AND DISABLE WEB SERVICES
beep	PLAY AN AUDIO TONE
melody	PLAY A MELODY
speech	PLAY A VOICE MESSAGE
way	ASK FOR GEOGRAPHIC INFO
sync	ASK TO FECTH WEB CONFIGURATION
webcmd	ASK TO FECTH WEB COMMAND QUEUE
neton	TURN ON RADIO, REGISTER TO NETWORK
netoff	TURN OFF RADIO, DETACH FROM NETWORK
netnew	FORCE NEW NETWORK REGISTRATION
divert	ENABLE INCOMING CALL DIVERTING
nodivert	DISABLE INCOMING CALL DIVERTING
work	DEVICE WORKING TIME (MAIN/BATTERY)

COMMANDS ISSUED FROM LOCAL COM PORT MUST HAVE A LEADING AT#
PASSWORD MUST BE INCLUDED WHEN COMMANDS ARE SENT FROM REMOTE (SMS, TWEET, WEB)

Mobi.Switch

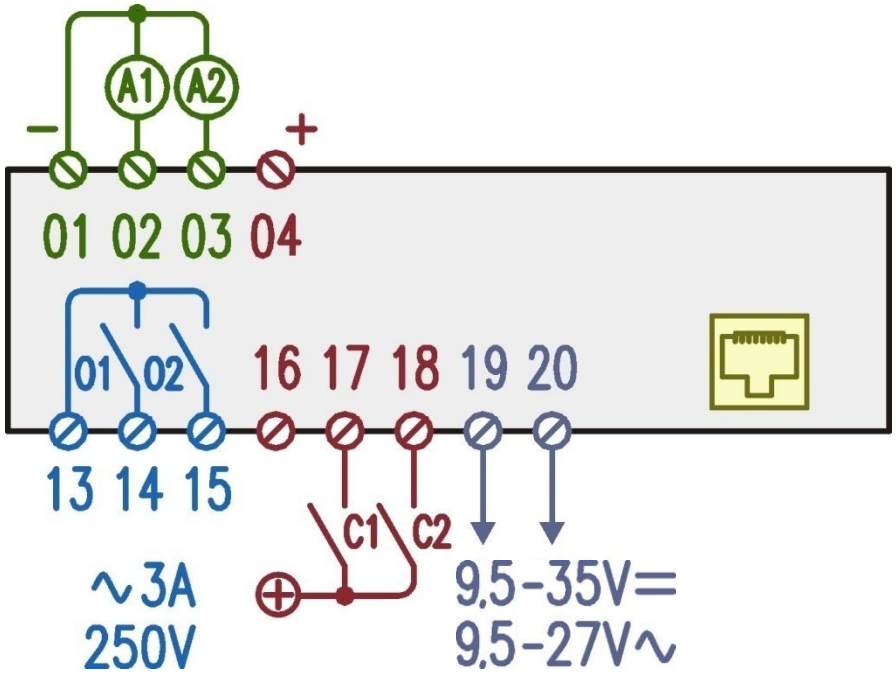
2 ANALOG INPUTS
0 … 10 V / 0 … 20 mA
NTC SENSOR

2 RELAY OUTPUTS
3A / 250VAC

2 MULTIFUNCTION INPUTS
DIGITAL
TIME COUNTER
PULSE COUNTER

- POWER SUPPLY
9,5 … 27 VAC / 9,5 … 35 VDC

- RJ CONNECTOR
COMMUNICATION PORT
5VDC POWER SUPPLY
LOUDSPEAKER



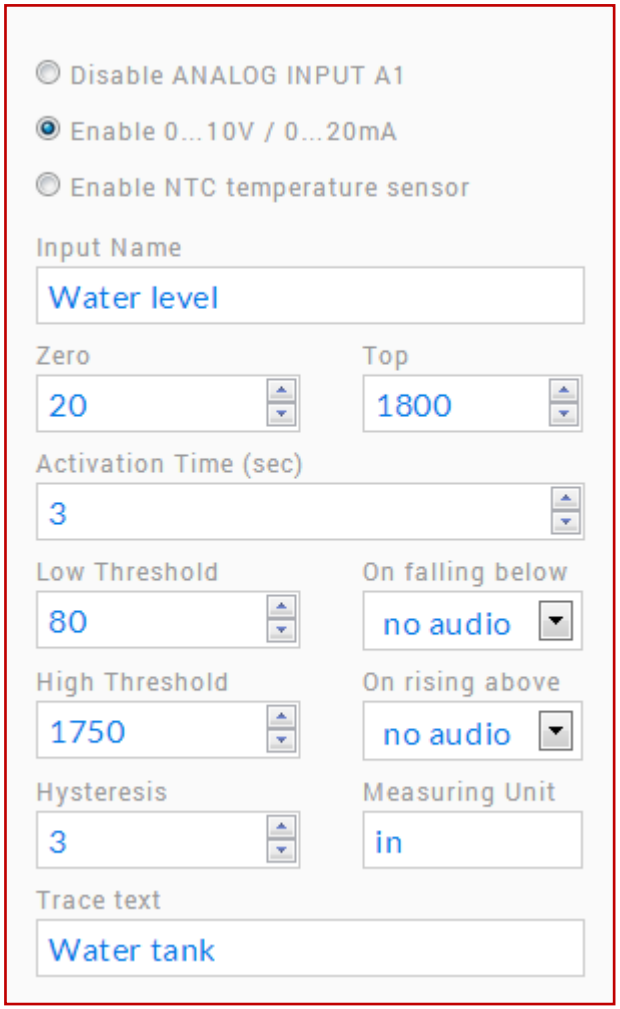
Mobi.Switch

YOU CAN ENABLE ANALOG INPUTS TO MEASURE SIGNALS IN THE RANGE 0 … 10V / 0 … 20 mA :

- ASSIGN A NAME
  THAT IDENTIFIES THE CHANNEL
- ZERO
  SET THE MEASURED VALUE CORRESPONDING TO BEGINNING OF THE SCALE, FOR EXAMPLE, SIGNALS 2 … 10V OR 4 … 20MA SETS 20% AS THE INITIAL SCALE
- TOP
  SETS THE VALUE CORRESPONDING TO THE FULL SCALE, IN THIS CASE 10V INPUT WILL REPORTED WITH THE VALUE 1800

YOU CAN SET THRESHOLDS, FOR HOW LONG THE VALUE MUST EXCEED THRESHOLD TO TRIGGER THE EVENT AND HYSTERESIS

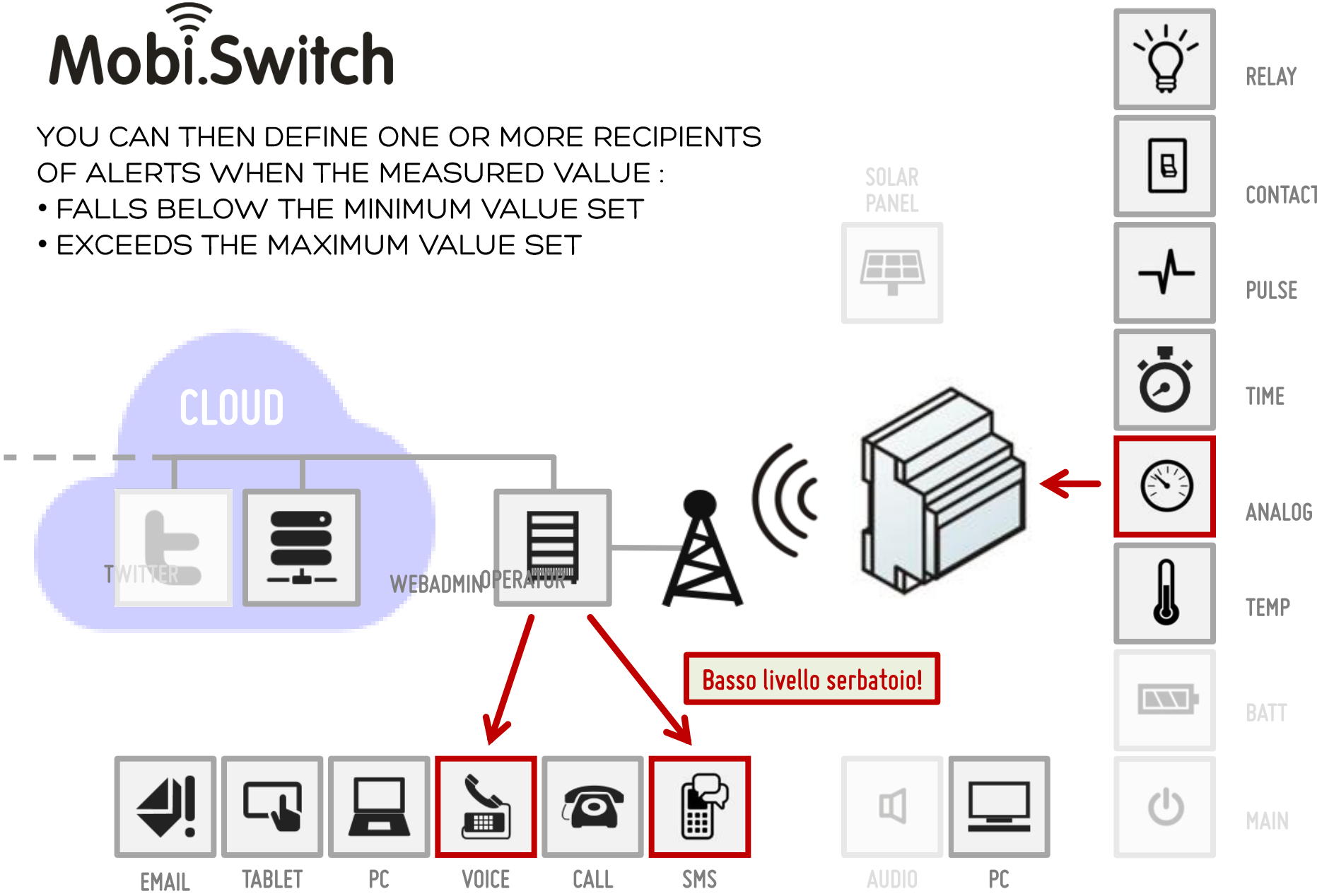
MEASURED VALUE IS GIVEN AT EVERY STATUS REQUEST, FOLLOWED BY THE UNIT



Mobi.Switch

YOU CAN THEN DEFINE ONE OR MORE RECIPIENTS OF ALERTS WHEN THE MEASURED VALUE :

- FALLS BELOW THE MINIMUM VALUE SET
- EXCEEDS THE MAXIMUM VALUE SET

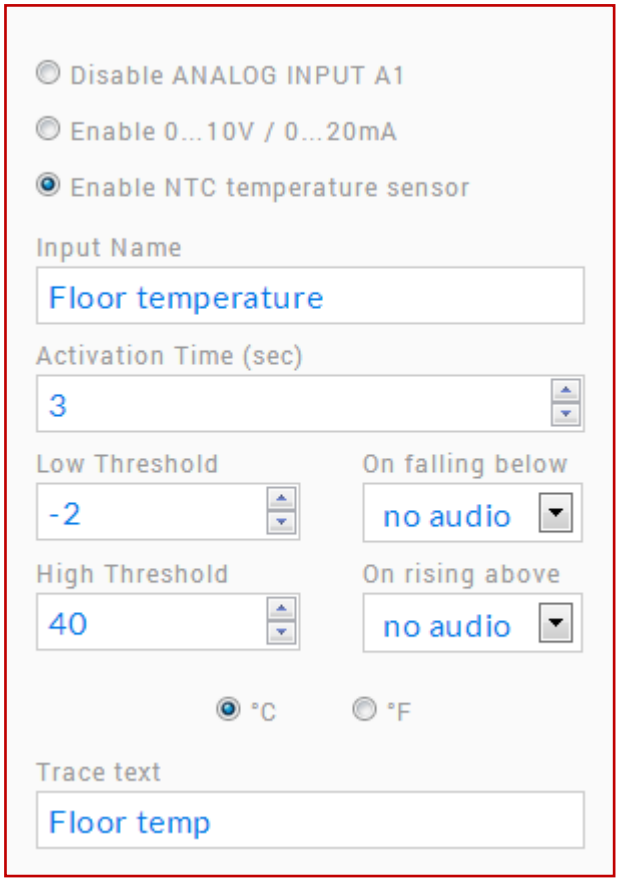


Mobi.Switch

… OR CONNECT A NTC SENSOR TO MEASURE TEMPERATURES IN THE RANGE -40 … 60 °C

EVEN IN THIS CASE YOU CAN DEFINE THRESHOLDS AND MINIMUM TIME TO TRIGGER THE EVENT

MEASURED VALUE IS GIVEN AT EVERY STATUS REQUEST, FOLLOWED BY THE SELECTED UNIT °C / °F



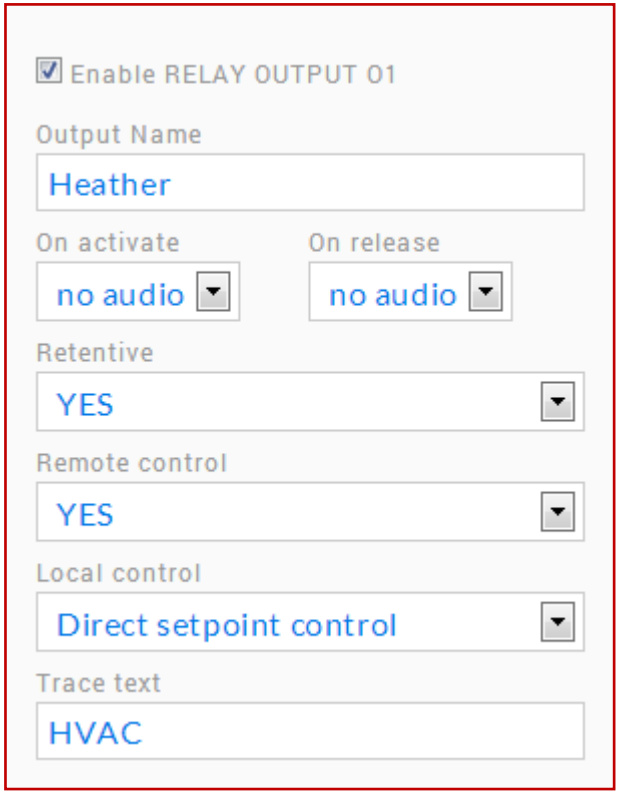
Mobi.Switch

YOU CAN CREATE A REMOTE CONTROLLED THERMOSTAT BY SETTING EITHER OR BOTH OUTPUTS SO THAT THE MEASURED TEMPERATURE OF ANALOG INPUT IS KEPT AT SETPOINT (SET BY LOCAL OR REMOTE CONTROL)

YOU CAN ALSO SET AN ANTIFROST THRESHOLD

ENABLE OR DISABLE THE HEATING WITH A CALL OR A TEXT MESSAGE

YOU CAN ALSO MOVE THE SETPOINT USING SCHEDULED OPERATIONS IN ORDER TO CREATE A COMPLETE CHRONOTHERMOSTAT



Mobi.Control

2 ANALOG INPUTS
0 … 10 V / 0 … 20 mA
NTC SENSOR

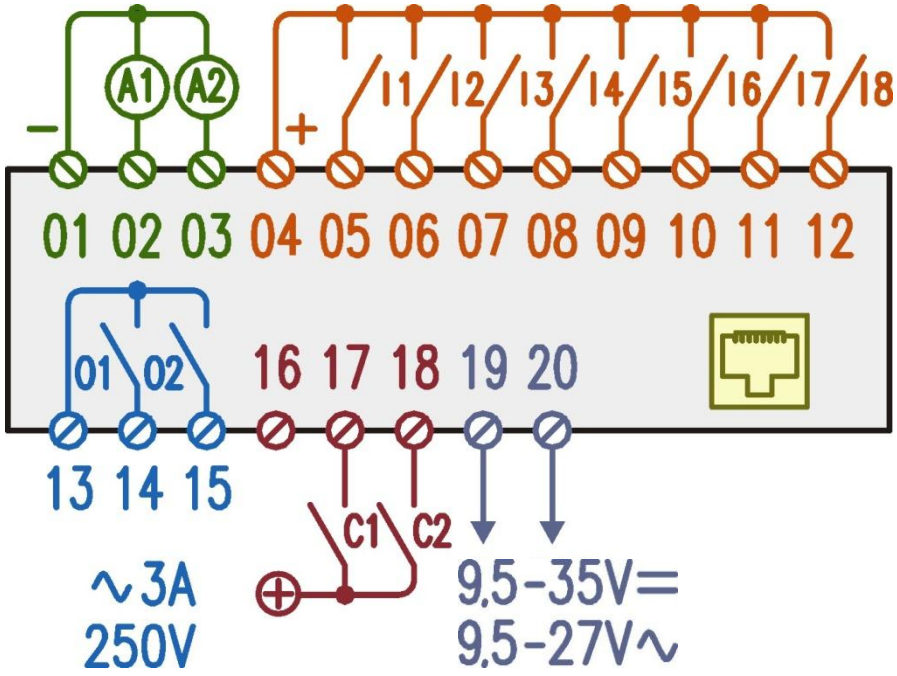
8 DIGITAL INPUTS
INTERNAL POWER SUPPLY

2 RELAY OUTPUT
3A / 250VAC

2 MULTIFUNCTION INPUTS
DIGITAL
TIME COUNTER
PULSE COUNTER

- POWER SUPPLY
9,5 … 27 VAC / 9,5 … 35 VDC

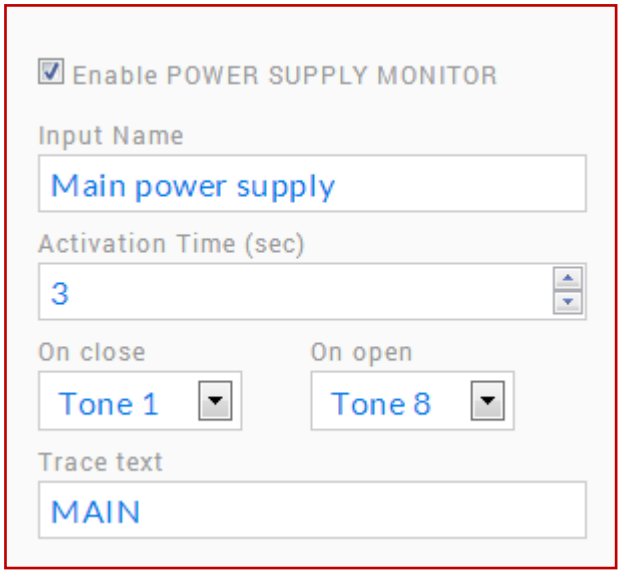
- RJ CONNECTOR
COMMUNICATION PORT
5VDC POWER SUPPLY
LOUDSPEAKER



Mobi.Control

Mobi.Control IS EQUIPPED WITH A LITHIUM-ION BATTERY SO YOU CAN ENABLE THE POWER SUPPLY MONITOR AND DETECT MAIN POWER BLACKOUT LONGER THAN THE SET TIME (FROM 1 second TO 18 hours)

MAIN POWER CONDITION IS GIVEN AT EVERY STATUS REQUEST

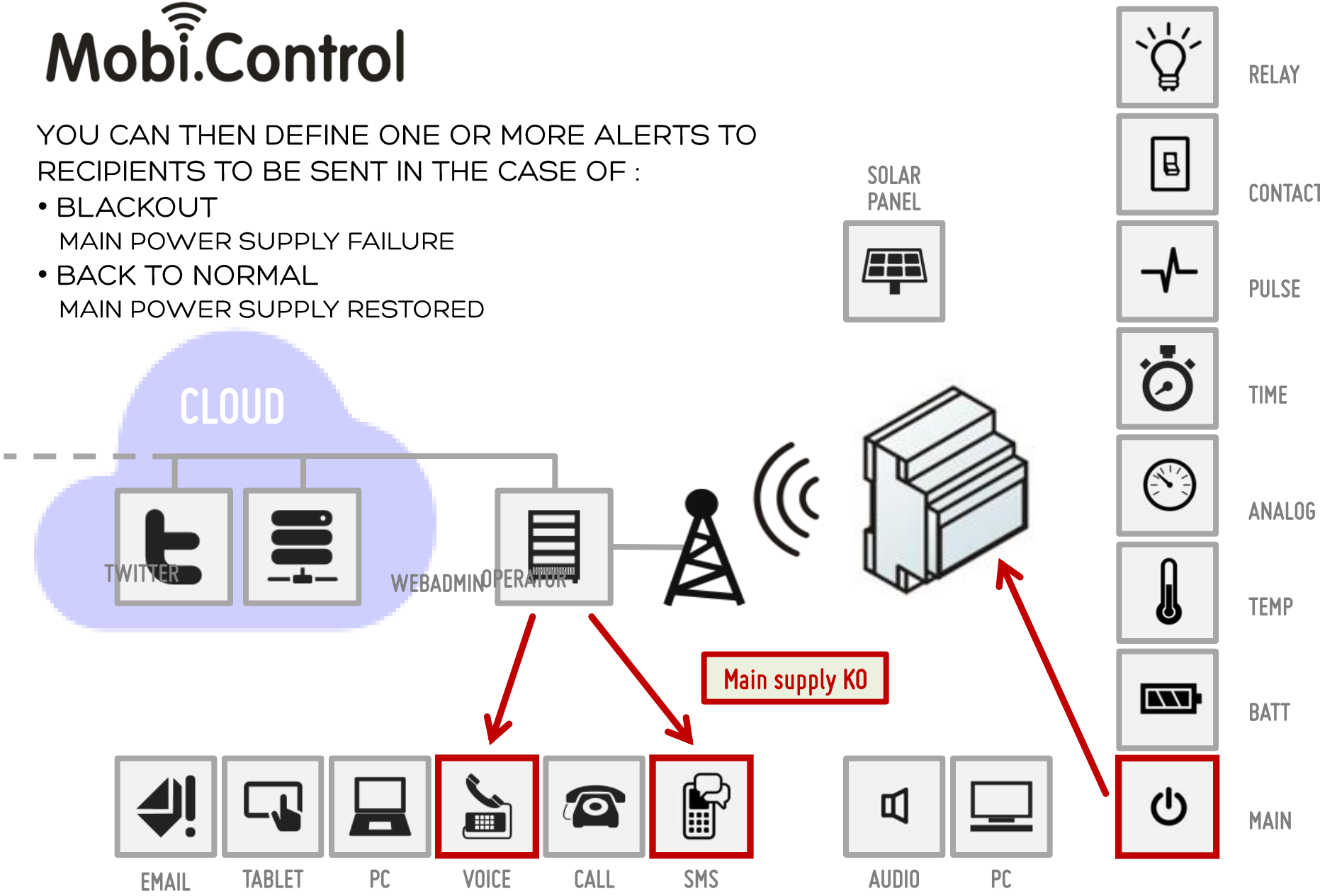


THE DEVICE CAN RECEIVE THE SUPPLY FROM THE TERMINAL STRIP, OR FROM THE RJ MULTIFUNCTION SOCKET WHERE YOU CAN ALSO CONNECT CAR POWER SUPPLY OR A SOLAR PANEL SUITABLE TO KEEP THE BATTERY CHARGED FOR STANDALONE OPERATION

Mobi.Control

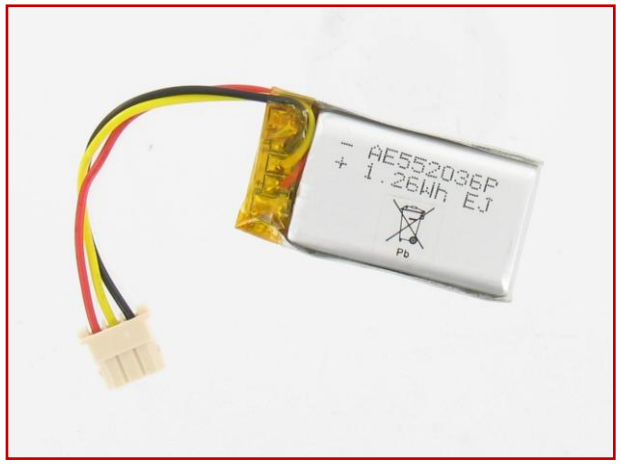
YOU CAN THEN DEFINE ONE OR MORE ALERTS TO RECIPIENTS TO BE SENT IN THE CASE OF :

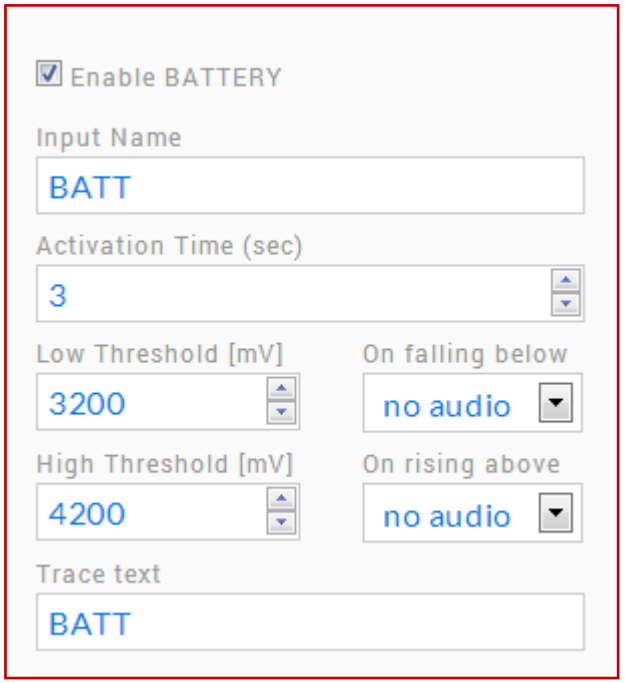
- BLACKOUT
  MAIN POWER SUPPLY FAILURE
- BACK TO NORMAL
  MAIN POWER SUPPLY RESTORED



Mobi.Control

YOU CAN OF COURSE ENABLE THE BATTERY MONITOR AND DETECT WHEN THE BATTERY LEVEL IS OVER THE THRESHOLDS FOR LONGER THAN THE SET TIME

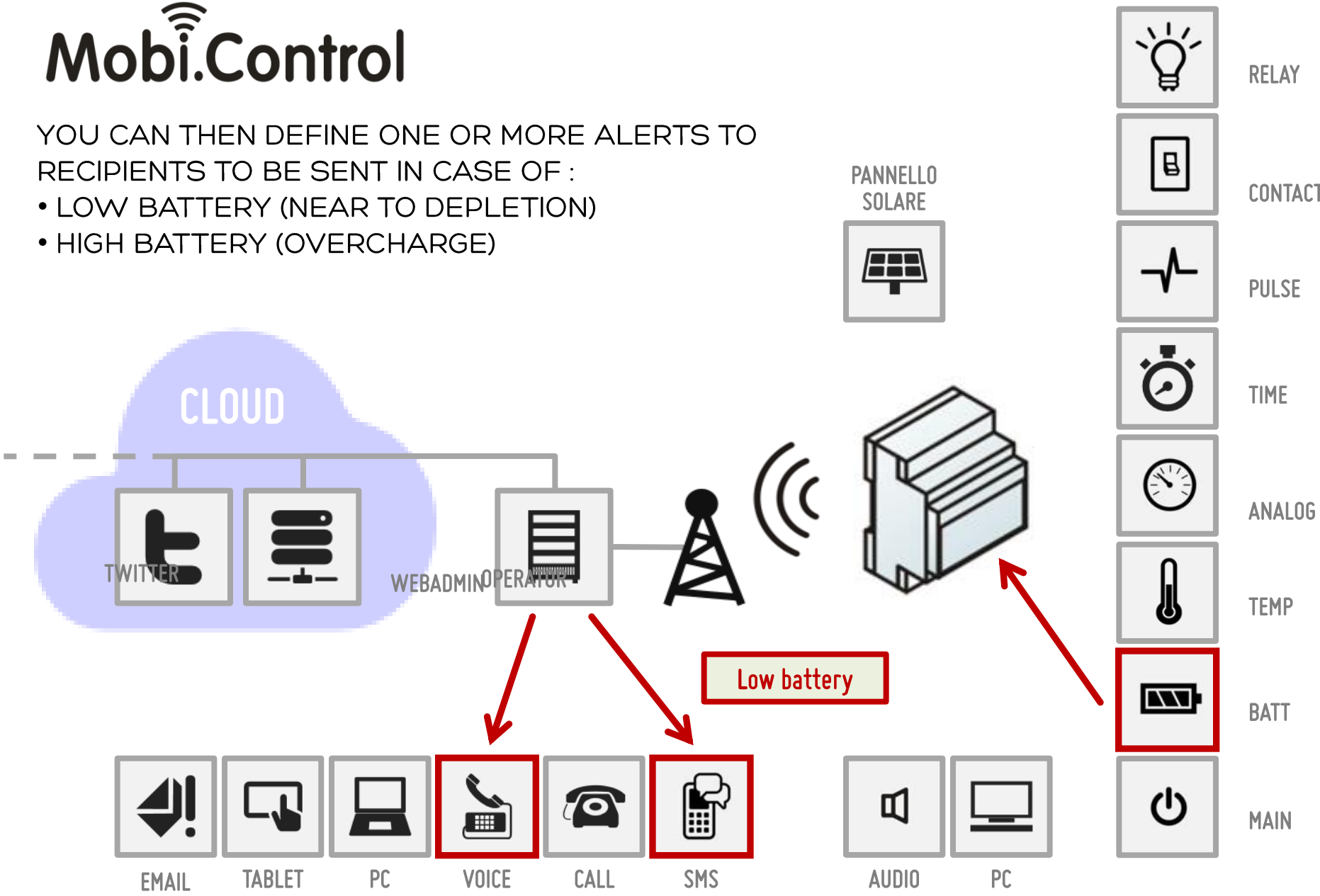




Mobi.Control

YOU CAN THEN DEFINE ONE OR MORE ALERTS TO RECIPIENTS TO BE SENT IN CASE OF :

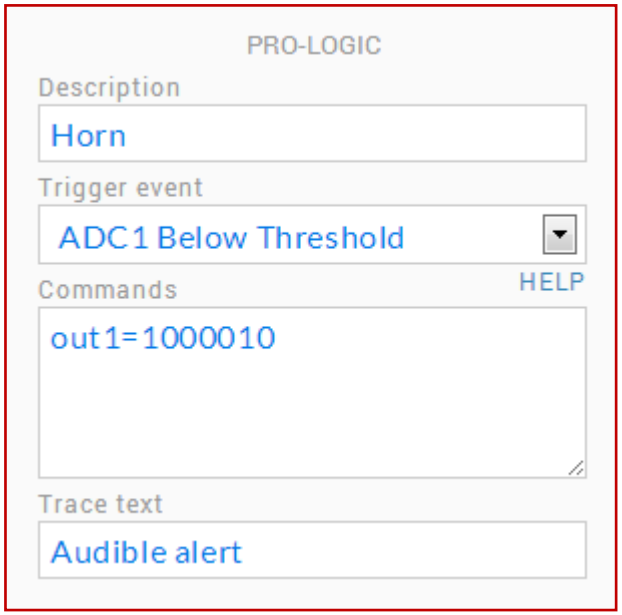
- LOW BATTERY (NEAR TO DEPLETION)
- HIGH BATTERY (OVERCHARGE)



Mobi.Control

YOU CAN DEFINE UP TO 10 ACTIONS TO BE PERFORMED ON LOCAL EVENT :

- MAIN POWER SUPPLY FAILURE
- DIGITAL INPUTS I1 … I8 CLOSING
- MAIN POWER SUPPLY RESTORE
- DIGITAL INPUTS I1 … I8 OPENING
- DIGITAL INPUTS C1 … C2 CLOSING
- DIGITAL INPUTS C1 … C2 OPENING
- LOW RATIO PULSE COUNTER INPUTS P1 … P2
- HIGH RATIO PULSE COUNTER INPUTS P1 … P2
- ACCUMULATED TIME THRESHOLD INPUTS T1 … T2
- ACCUMULATED PULSE THRESHOLD INPUTS P1 … P2
- LOW BATTERY
- ANALOG INPUTS A1 … A2 FALLING BELOW THRESHOLD
- LOW INTERNAL TEMPERATURE
- ALTO LIVELLO DI BATTERIA
- ANALOG INPUTS A1 … A2 RISING ABOVE THRESHOLD
- HIGH INTERNAL TEMPERATURE
- MCC / MNC / LAC / CID CHANGE
- OUTPUTS O1 … O2 ACTIVATION
- OUTPUTS O1 … O2 RELEASE



Mobi.Control

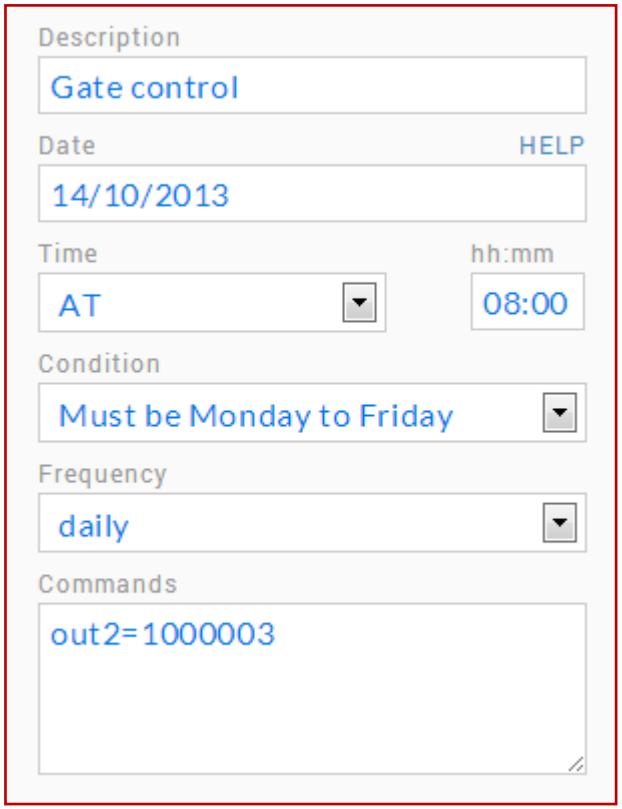
YOU CAN SET UP TO 100 TASKS TO RUN AT A SPECIFIC TIME, ONCE OR PERIODICALLY

FOR EXAMPLE, YOU CAN PROGRAM THE OPENING OF A GATE AT 08:00 OF EVERY WORKING DAY

IN THE EXAMPLE THE COMMAND THAT ACTIVATES THE OUTPUT IS FOLLOWED BY THE ACTIVATION TIME

hh : mm : ss

IT MEANS THE OUTPUT WILL TURN ON FOR 3 SECONDS



NOWADAYS THE COST OF DATA CONNECTION FROM CELLULAR NETWORK HAVE BEEN REDUCED THANKS TO WIDE DIFFUSION OF SMARTPHONE AND TABLET

FROM M2M TO › IoT • IoW • IoE

LET'S ACTIVATE

WEB SERVICES

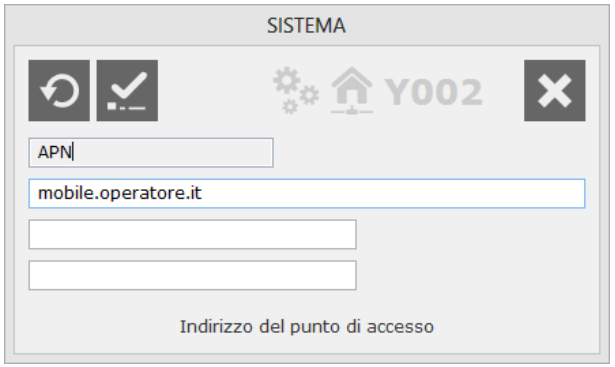
- WEB CONFIGURATION
- WEB CONTROL PANEL
- SEND AND RECEIVE TWEETS
- SEND EMAIL MESSAGES
- GSM CELL BASED LOCATION
- REAL TIME CLOCK SETTING
- SUNRISE / SUNSET AUTOMATIC UPGRADE
- REMOTE TRACING (LOG)

Mobi.Control

FROM ANY MOBILE PHONE SEND A TEXT MESSAGE INCLUDING DEVICE PASSWORD (FACTORY DEFAULT = 0000)
AND APN PROVIDED BY YOUR OPERATOR

0000 APN=mobile.operator.it

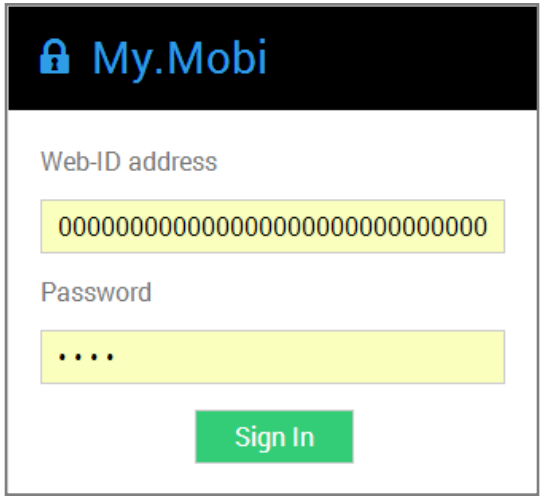
… OR USE THE CONFIGURATION SOFTWARE Mobi.Suite TO SET THE APN



THE DEVICE WILL CREATE NEW ACCOUNT IDENTIFIED BY IMEI + SERIAL NUMBER (30 DIGITS))

FROM ANY BROWSER GO TO :

www.webadmin.mobi



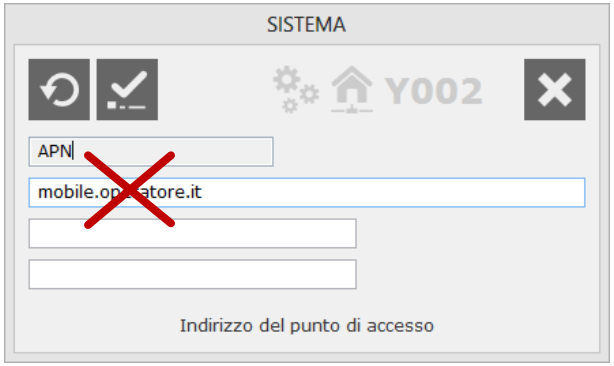
ENTER ID AND PASSWORD OF THE DEVICE TO ACCESS TO CONFIGURATION ENVIRONMENT AND REMOTE CONTROL

Mobi.Control

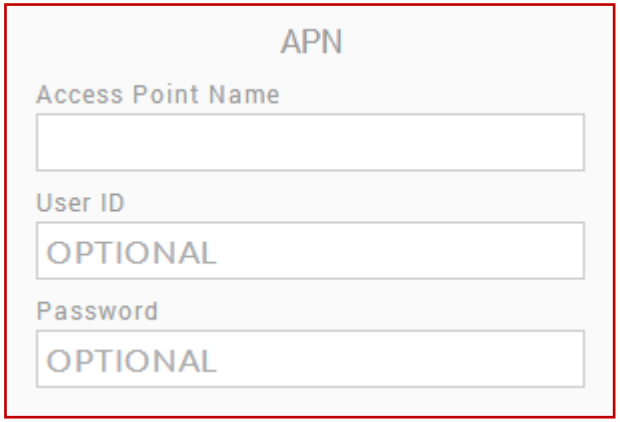
YOU CAN DISABLE WEB SERVICES FROM ANY MOBILE PHONE BY SENDING A TEXT MESSAGE INCLUDING THE DEVICE PASSWORD (DEFAULT DI FABBRICA = 0000) AND COMMANDS NOAPN

0000 NOAPN

... OR USE MOBI.SUITE TO REMOVE APN SETTING



... OR USE THE WEB CONFIGURATOR TO REMOVE APN SETTING



THE DEVICE WILL REMOVE THE ACCOUNT AND ALL ASSOCIATED INFORMATION

DATA TRAFFIC WILL BE COMPLETELY DISABLED

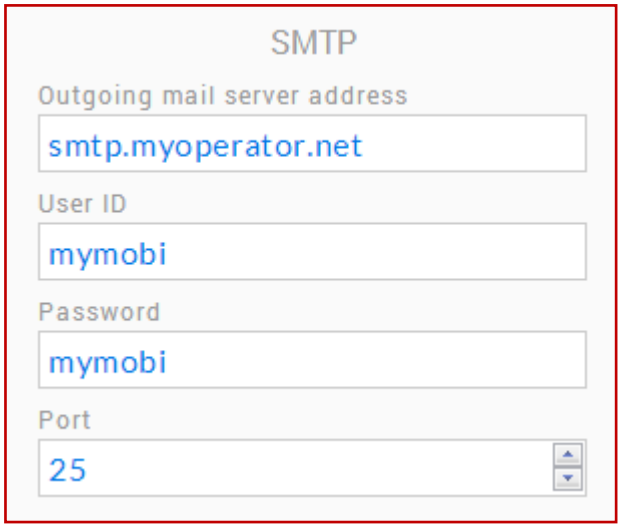
Mobi.Control

YOU MAY START CONFIGURING EMAIL SENDING

ENTER THE ADDRESS OF THE OUTGOING MAIL SERVER, THAT CAN BE PROVIDED BY YOUR OPERATOR OR ANY OTHER SERVER AVAILABLE ON THE NETWORK

ENTER THE USER NAME AND PASSWORD
IF REQUIRED

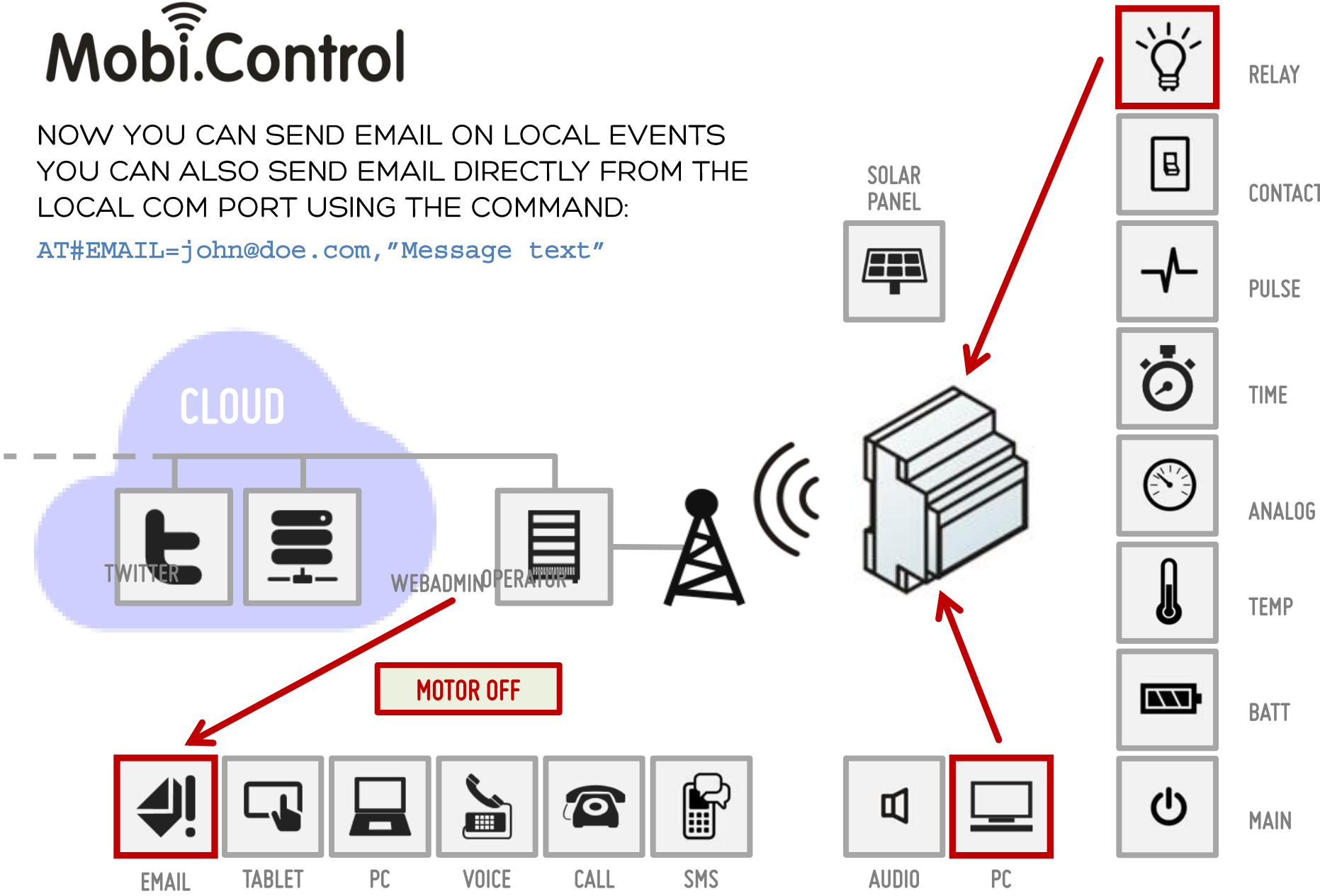
IF YOU PLAN TO SEND JUST A FEW EMAILS YOU CAN OMIT THIS CONFIGURATION
IN THIS CASE THE DEVICE WILL USE A DEFAULT SMTP SERVER



Mobi.Control

NOW YOU CAN SEND EMAIL ON LOCAL EVENTS
YOU CAN ALSO SEND EMAIL DIRECTLY FROM THE LOCAL COM PORT USING THE COMMAND:

```
AT#EMAIL=john@doe.com,"Message text"
```



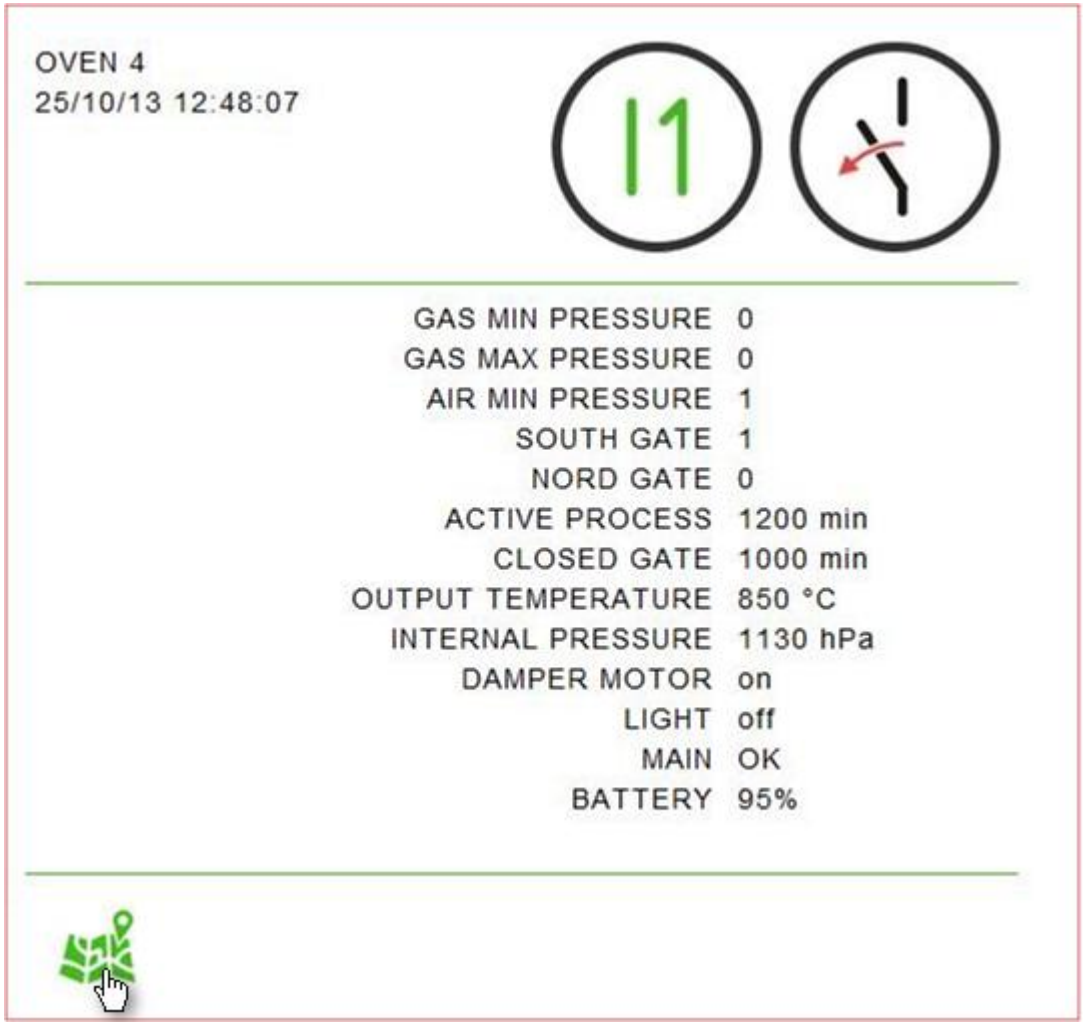
Mobi.Control

THE EMAIL SENT WILL INCLUDE ONLY ACTIVE CHANNELS

THE SUBJECT OF THE MESSAGE WILL INCLUDE THE TEXT DEFINED FOR THE SPECIFIC RECIPIENT

ICONS HELP USERS LOCATE THE EVENT THAT TRIGGERED THE MESSAGE

THERE IS ALSO A LINK TO A PAGE THAT ALLOWS THE LOCALIZATION OF THE DEVICE

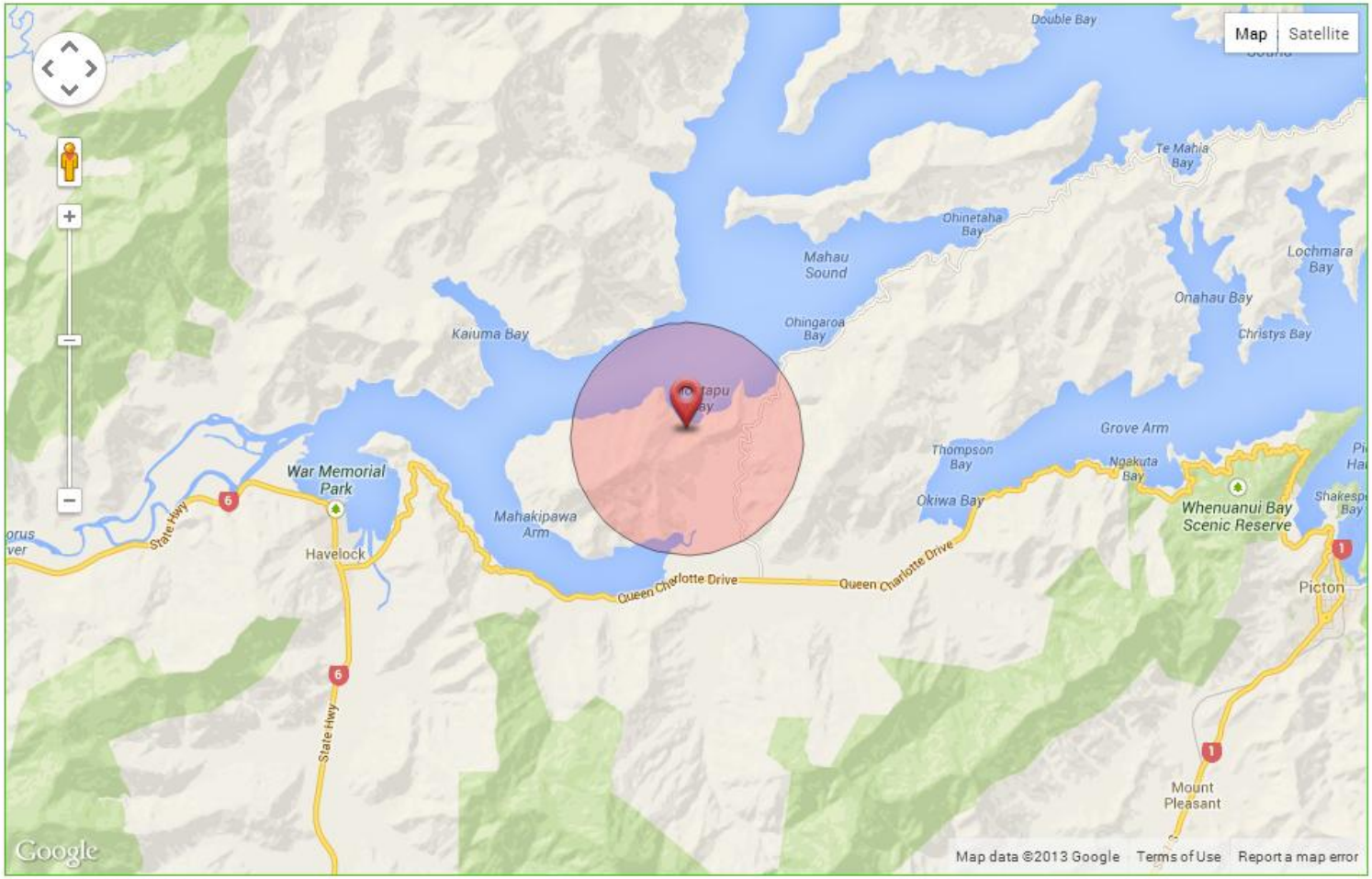


Device Location

Within 2301 m from 236-238 Moetapu Bay Road, Moetapu Bay 7282, New Zealand • Elevation: 68 m

Local Time: 2013-09-27 22:15

Sunrise 2013-09-28 06:06 • Sunset 2013-09-28 18:25



406 POSITIONS SERVED

• LAST: September 27, 2013, 11:32:42 am 192.168.180.217

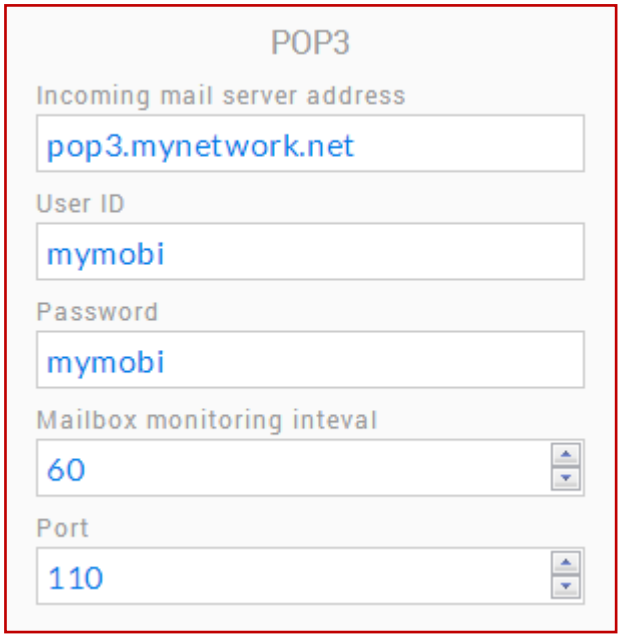
Mobi.Control

IF YOU PLAN TO SEND COMMANDS TO THE DEVICE USING E-MAIL MESSAGES YOU WILL NEED TO DEFINE THE ADDRESS OF THE INCOMING MAIL SERVER AND THE MAILBOX ACCESS PARAMETERS

SET THE INTERVAL AT WHICH THE DEVICE WILL CHECK FOR NEW EMAILS

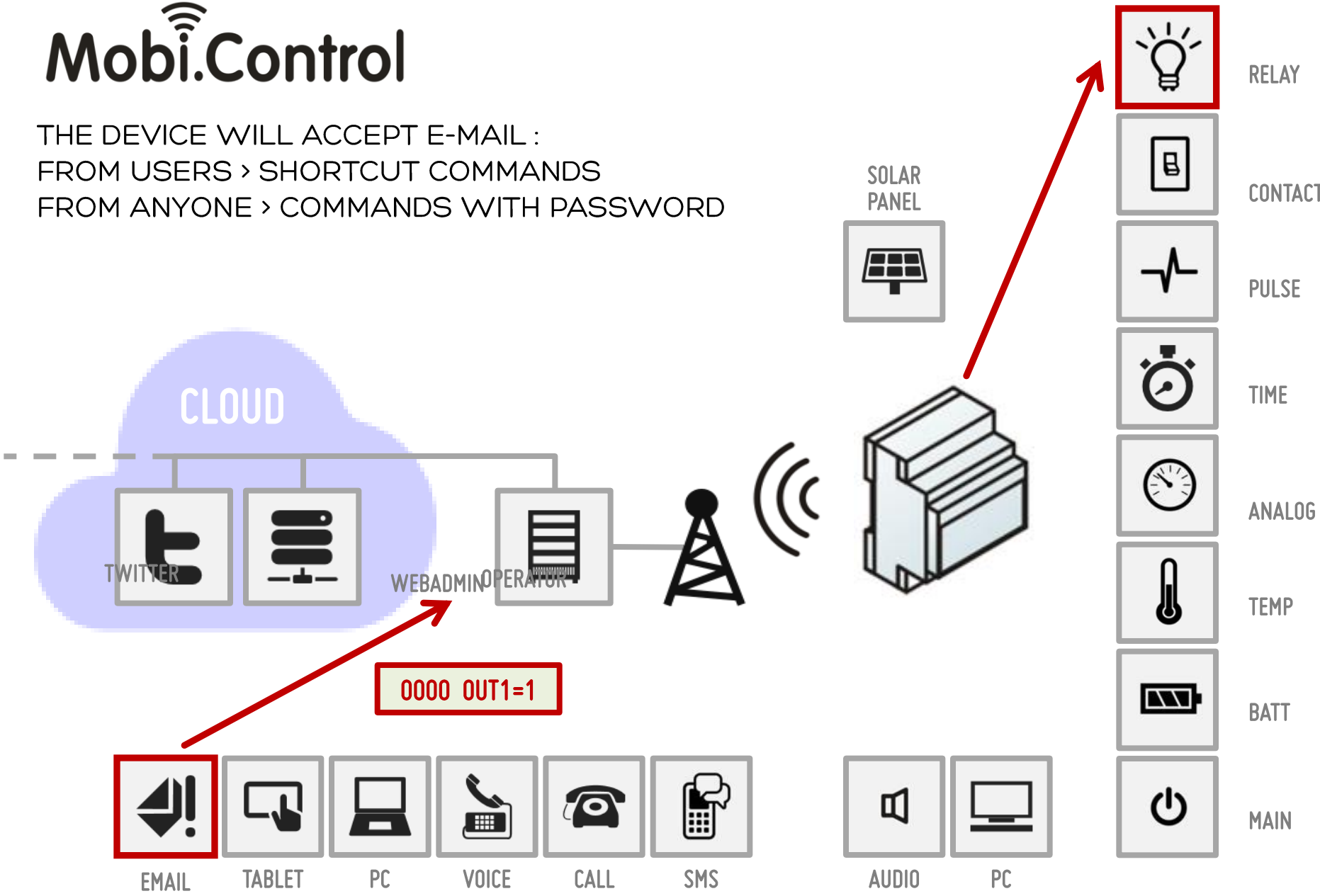
TO LIMIT THE DATA TRAFFIC THE DEVICE TAKES INTO ACCOUNT ONLY THE SUBJECT OF THE MESSAGE :

- CHECKS FOR VALID COMMANDS IN THE SUBJECT FIELD
- DELETES THE MESSAGE IN THE MAILBOX WITHOUT DOWNLOADING IT TO YOUR DEVICE



Mobi.Control

THE DEVICE WILL ACCEPT E-MAIL :
FROM USERS › SHORTCUT COMMANDS
FROM ANYONE › COMMANDS WITH PASSWORD

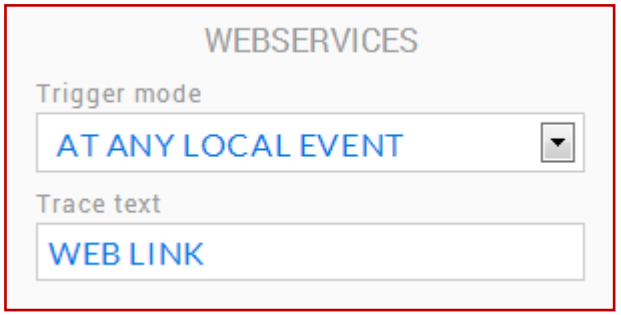


Mobi.Control

YOU CAN DEFINE HOW THE UNIT WILL HANDLE DATA CONNECTION TO HANDLE WEB SERVICES :

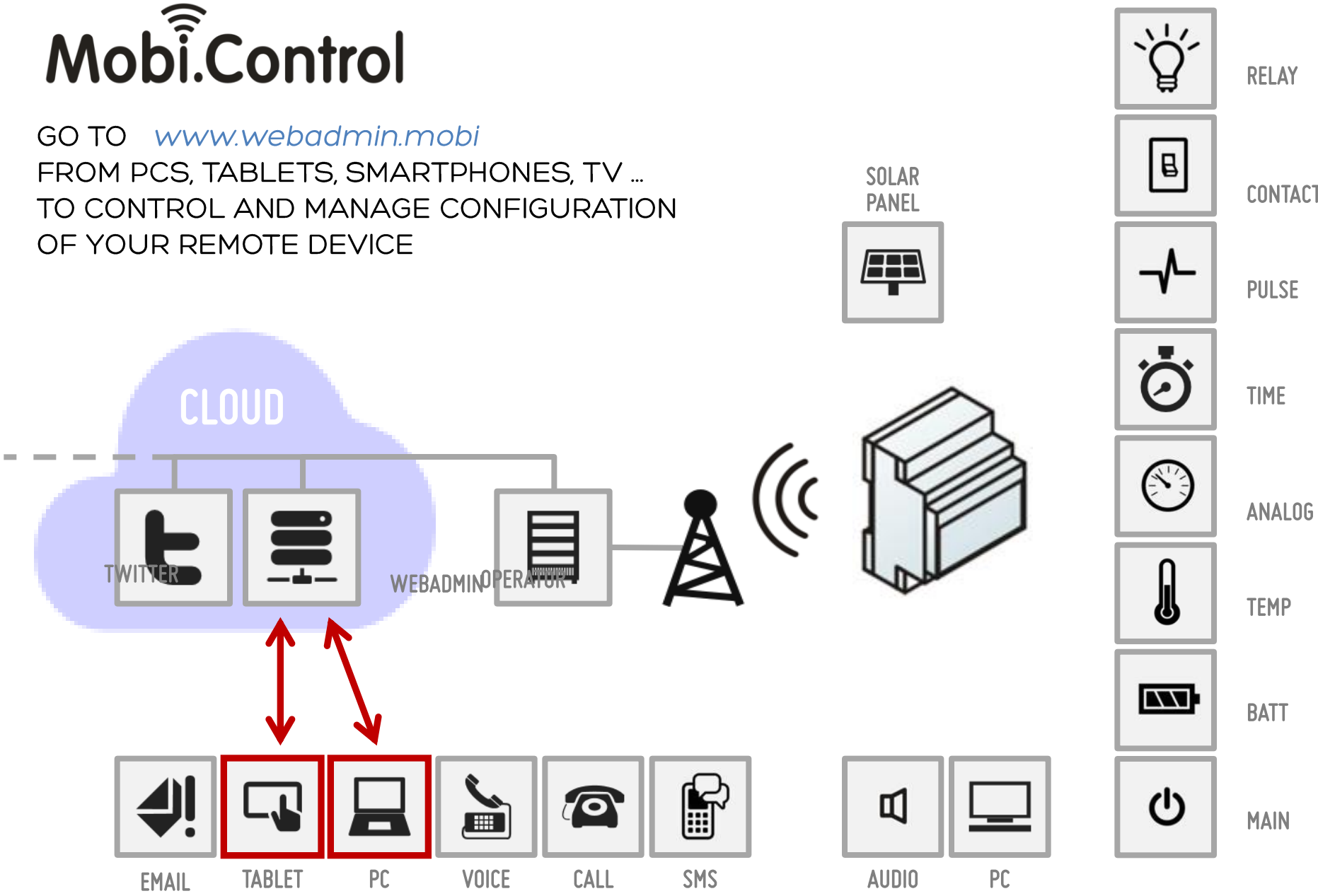
- NEVER
- AT EACH INCOMING CALL
- AT EACH LOCAL EVENT
- AT SPECIFIED INTERVAL

THE DEVICE WILL CONNECT ALSO TO KEEP SYNCHRONIZATION TO WEB CONFIGURATION



Mobi.Control

GO TO *www.webadmin.mobi*
FROM PCS, TABLETS, SMARTPHONES, TV ...
TO CONTROL AND MANAGE CONFIGURATION
OF YOUR REMOTE DEVICE



Mobi.Control

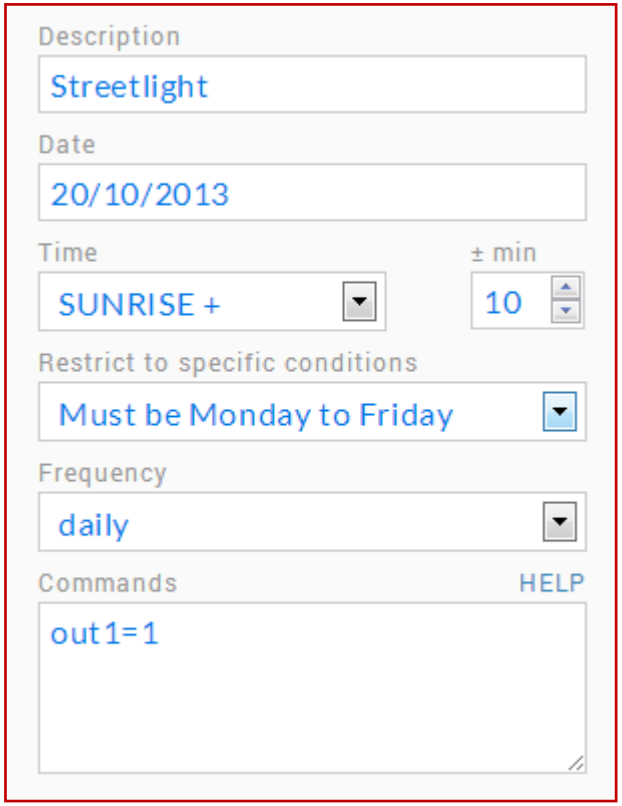
WHEN WEB SERVICES ARE ACTIVE,
YOU WILL BE ABLE TO PLAN ACTIVITIES
USING DYNAMIC TIME :

- AT SUNRISE
- AT SUNSET

FOR BOTH YOU CAN SET AN OFFSET
TIME IN ADVANCE OR DELAY.

THE CLOCK IS SYNCHRONIZED EVERY
SUNDAY KEEPING UPDATED
HOURS OF SUNRISE AND SUNSET

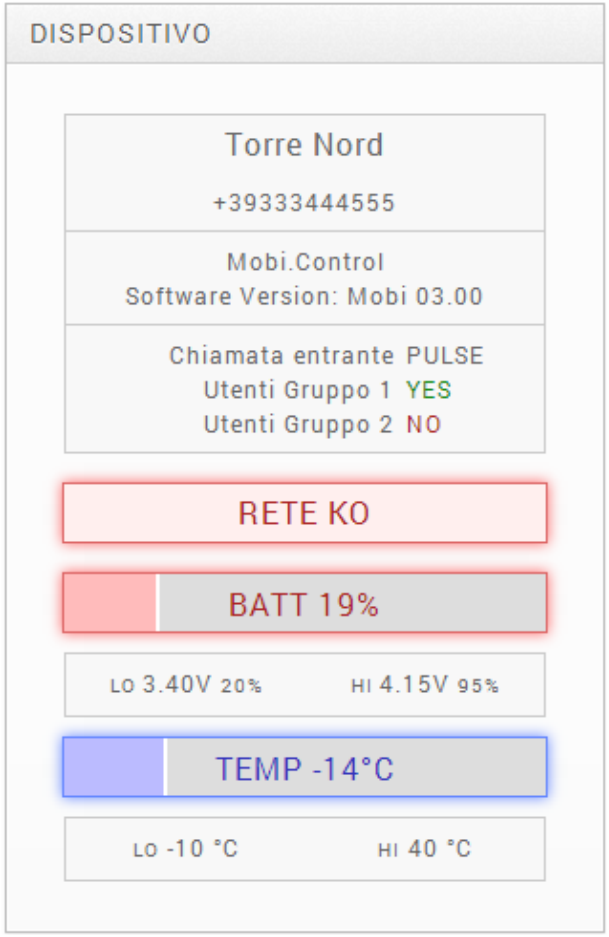
PROVIDES ALSO FOR THE AUTOMATIC
CORRECTION FOR SUMMER / WINTER TIME.

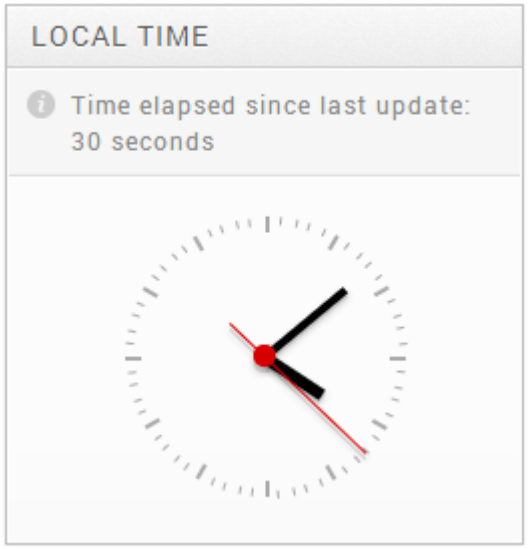


Mobi.Control

ONLINE CONTROL INTERFACE OFFERS A DASHBOARD WITH PANELS SHOWING STATUS OF REMOTE DEVICE RESOURCES, YOU CAN ENABLE/DISABLE AND DRAG/DROP ALL PANELS TO BUILD YOUR CUSTOM VIEW

AT RIGHT YOU CAN SEE THE DEVICE INFORMATION PANEL.

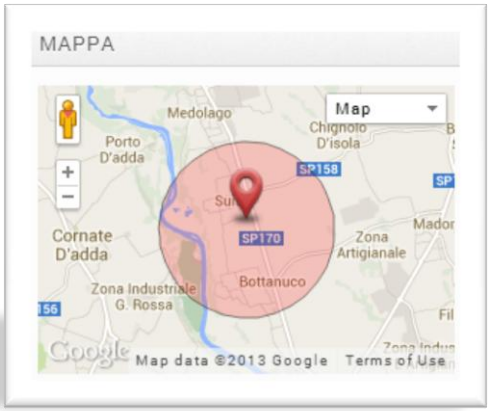


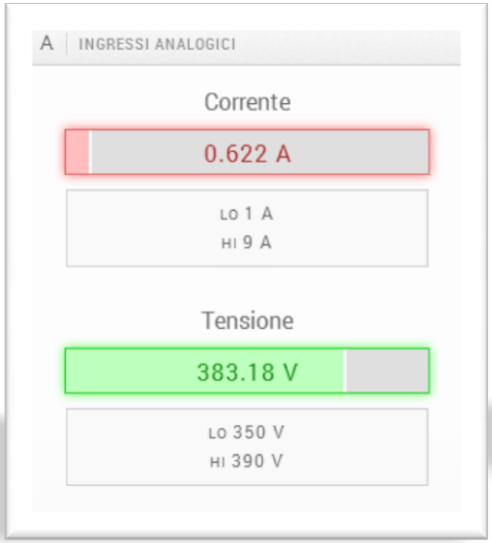


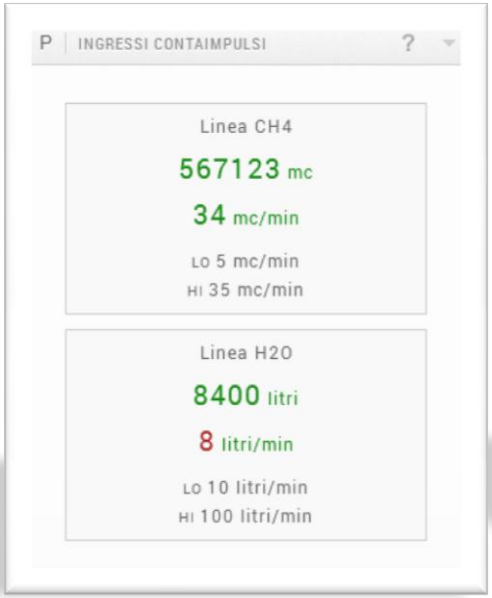
SINCE THE CONNECTION TO THE DEVICE IS NOT PERMANENT A SPECIAL PANEL SHOWS THE TIME ELAPSED SINCE LAST UPDATE

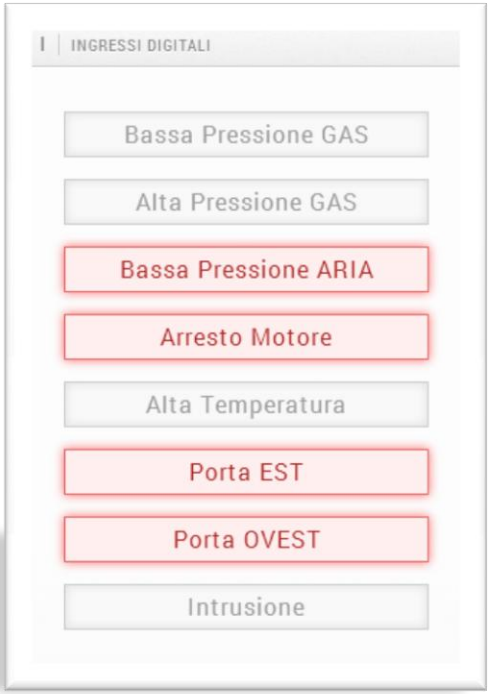
Mobi.Control

THESE ARE SOME OF THE PANELS THAT SHOW THE STATUS OF RESOURCES ACTIVATED ON THE DEVICE





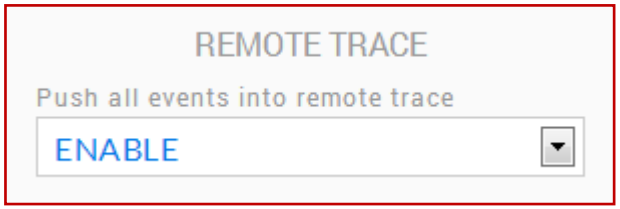


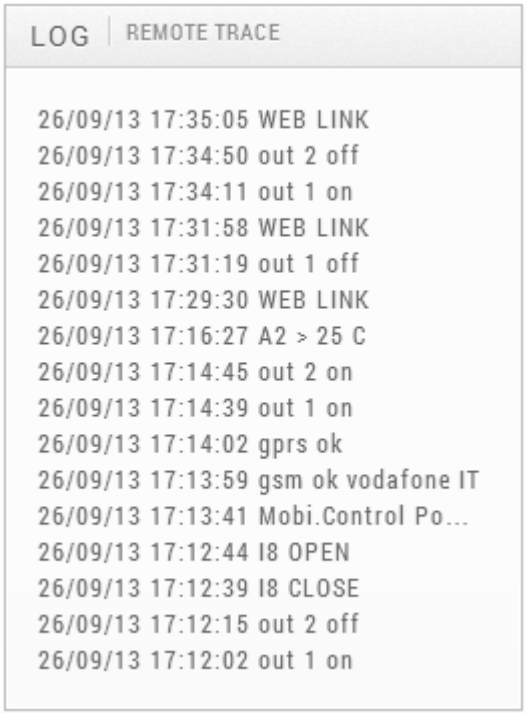


Mobi.Control

TO KEEP THE UNIT UNDER CONTROL YOU MAY ACTIVATE THE REMOTE TRACING.
THE UPGRADE WILL TAKE PLACE IN REAL TIME, REGARDLESS OF THE POLICY SET TO UPDATE WEB SERVICES

YOU CAN READ THE HISTORY OF THE EVENTS DIRECTLY FROM THE ONLINE CONTROL PANEL

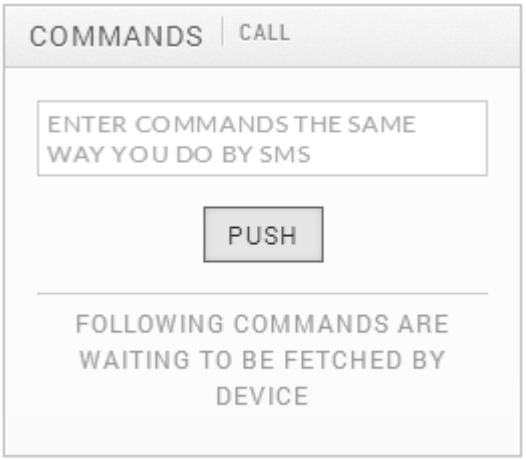




Mobi.Control

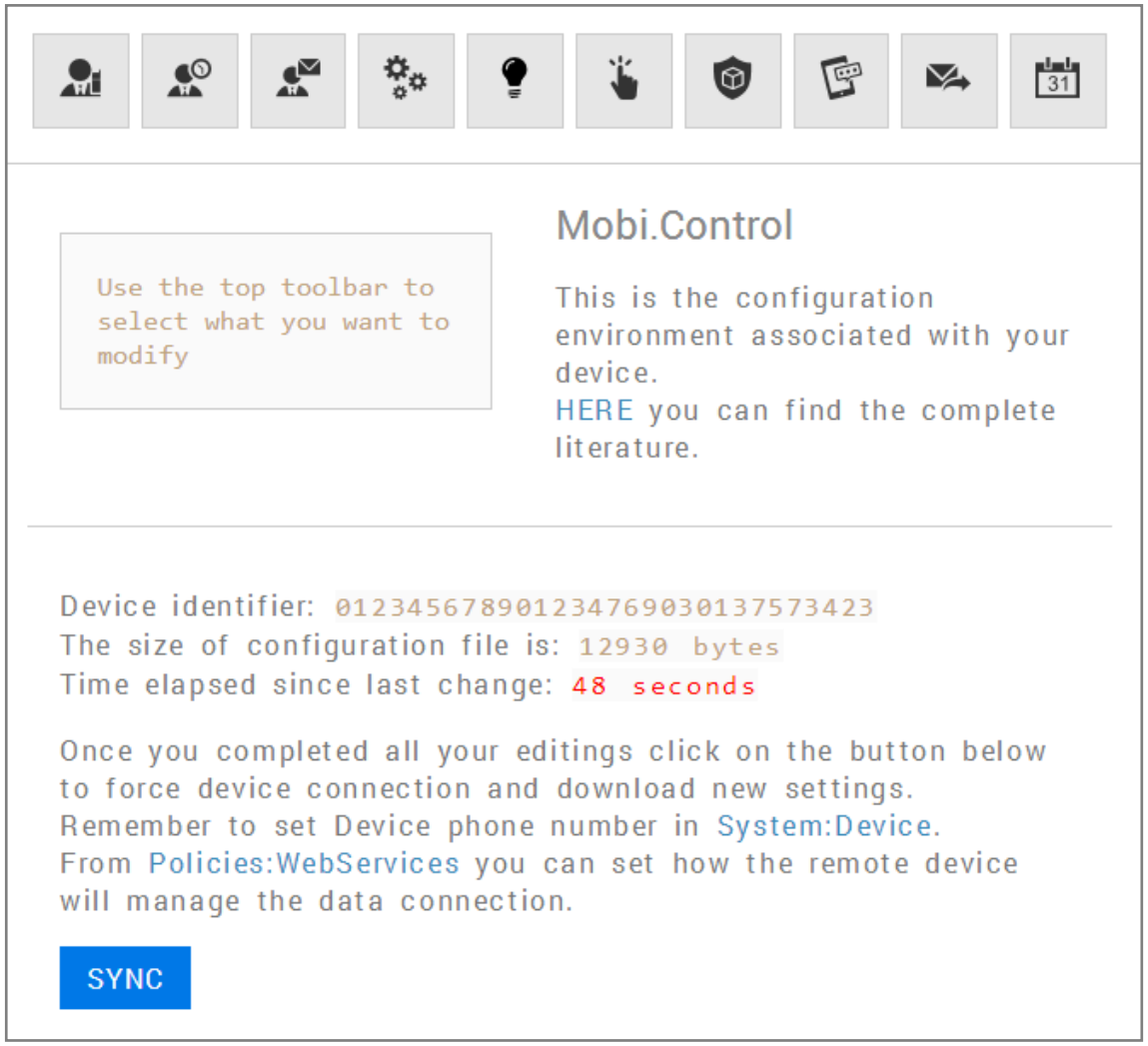
A PANEL ALLOWS YOU TO SEND COMMANDS TO THE DEVICE, JUST AS YOU WOULD WITH A TEXT MESSAGE.
THE TITLE BAR SHOWS THE WAY THESE COMMANDS WILL BE DELIVERED TO THE DEVICE :

- WAIT
  THE COMMANDS WILL BE QUEUED AND DELIVERED TO DEVICE AT FIRST CONNECTION
- CALL
  COMMANDS ARE QUEUED AND A PHONE CALL WILL TRIGGER THE DEVICE TO FETCH IT
  IT IS IMPORTANT THAT THE DEVICE PHONE NUMBER IS PROPERLY CONFIGURED
- @nomeaccount
  CONTROLS WILL BE SENT DIRECTLY TO TWITTER ACCOUNT ASSOCIATED TO DEVICE
  AND SO FORWARDED LIKE SMS
  WITHIN THE DAILY LIMIT ALLOWED BY TWITTER



Mobi.Control

YOU CAN CONFIGURE THE REMOTE DEVICE DIRECTLY FROM THE WEB



Mobi.Control

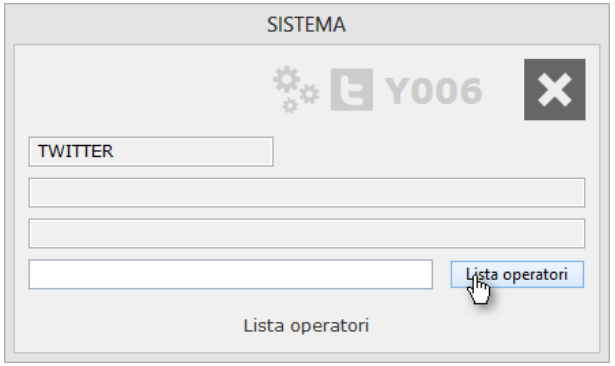
USE THE WIZARD PROVIDED BY Mobi.Suite TO CREATE A TWITTER ACCOUNT AND ASSOCIATE IT TO YOUR DEVICE

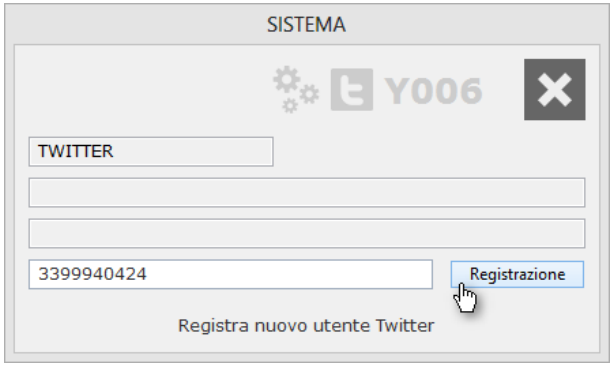
- SEND ALERTS
  A SINGLE TWEET CAN REACH MORE RECIPIENTS WITHOUT THE NEED TO SEND MANY SMS:
  THE MESSAGE WILL BE VISIBLE ON THE DEVICE HOME PAGE AND WITHIN THE TIMELINE OF ANY FOLLOWER

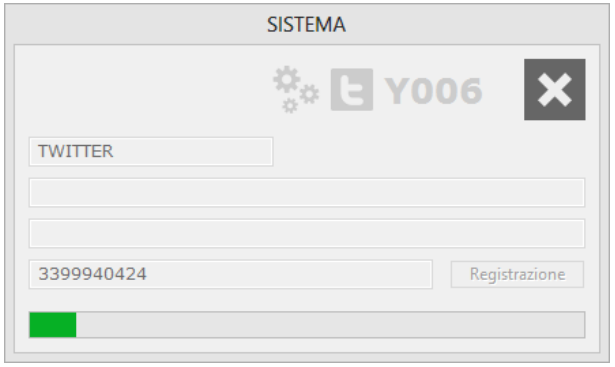
ALL TWEETS SENT WILL BE CHARGED BY THE OPERATOR AS A NORMAL SMS

- RECEIVE COMMANDS
  DEVICE WILL RECEIVE AS A TEXT MESSAGE ALL THE TWEETS WHERE ITS ACCOUNT NAME IS NOMINATED:
  IF THE TWEET IS COMING FROM A RECOGNIZED USER, VALID COMMANDS WILL BE EXECUTED

USUALLY TWEETS RECEIVED FROM THE DEVICE ARE NOT CHARGED, UNLESS THEY ARE ADDRESSED ABROAD
CHECK THE CONDITIONS APPLIED FROM YOUR CARRIER



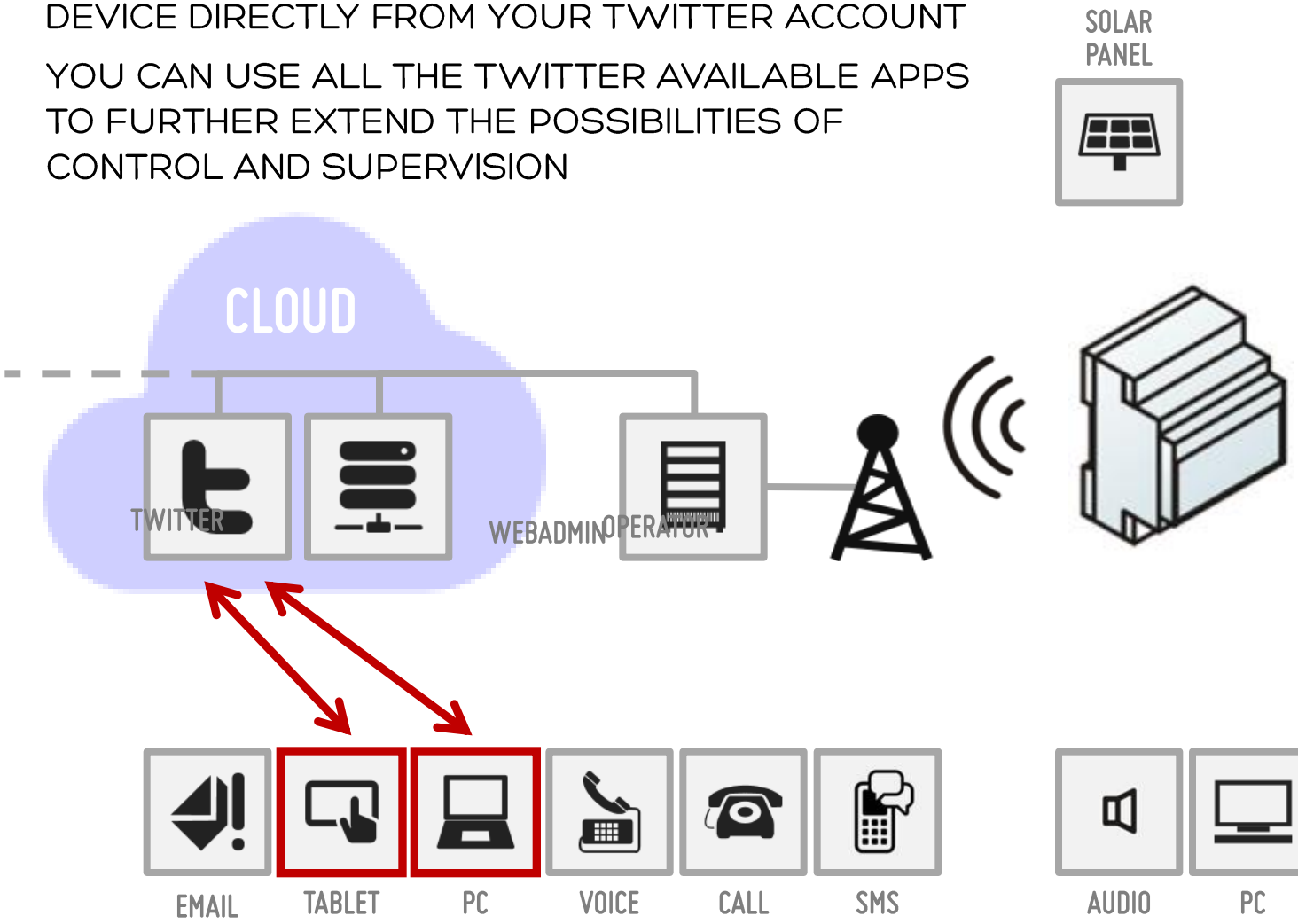




Mobi.Control

YOU CAN NOW INTERACT WITH THE REMOTE DEVICE DIRECTLY FROM YOUR TWITTER ACCOUNT

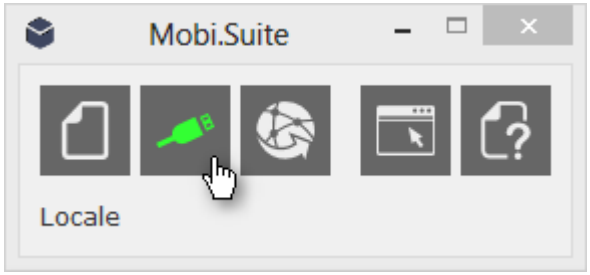
YOU CAN USE ALL THE TWITTER AVAILABLE APPS TO FURTHER EXTEND THE POSSIBILITIES OF CONTROL AND SUPERVISION



Mobi.Suite

USING Mobi.Suite YOU CAN ACCESS THE DEVICE THROUGH THE LOCAL PORT FOR CONFIGURATION AND DIAGNOSIS.

YOU CAN SAVE DEVICE SETTINGS TO A FILE.



YOU CAN MODIFY ALL CONFIGURATION PARAMETERS, ADDING USERS, RECIPIENTS, PLANNED OPERATIONS, SHORTCUT COMMANDS, OPERATING RULES, SETTING INPUTS / OUTPUTS, SMS INTERACTIVE FORWARDING INCOMING MESSAGES, SCHEDULED TASKS ...

Mobi.Suite

YOU CAN ALSO UPDATE A DEVICE BY SENDING A TEXT MESSAGE CONTAINING THE NEW SETTINGS FOR EACH PARAMETER CHANGED.

Mobi.Suite SHOWS THE TEXT MESSAGE TO BE SENT TO THE REMOTE DEVICE

NO NEED TO COMPOSE A MESSAGE IF YOU HAVE A SMARTPHONE, JUST SCAN THE QR CODE

Mobi.Suite

A TERMINAL EMULATOR IS AVAILABLE TO INTERACT DIRECTLY WITH THE DEVICE CONNECTED TO LOCAL COM PORT::

- SELECT RADIO BAND
- LISTEN AUDIO MESSAGES
- SET CLOCK
- ASK FOR DEVICE STATUS
- ASK FOR CALLERS LIST
- ASK FOR EVENT MEMORY (LOG)
- TURN OFF DEVICE
- CUSTOM VOICE MESSAGE GENERATION
- GET LATITUDE AND LONGITUDE OF MAIN GSM CELL
- ENTER COMMANDS