

RTA2 – Multifunction wireless keyboard

Main characteristics

The wireless keyboard can be used for a range of applications, including :

- 1) Alarm systems turn on/off
- 2) Doors and/or gates control
- 3) Control of a range of automatic systems such as garden lighting, watering, etc.

The device is powered by two lithium batteries that allow a long operation autonomy.

Operation

The keyboard is supplied with 12 keys as follows:

-Numerical keys from 0 to 9

-Reset key called **C**

-Confirmation key called **OK**

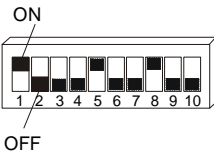
- a) Whenever a key is pressed, the Buzzer sounds for about 1/2 second.
- b) Whenever a numerical key is pressed, the LED lights for about 5 seconds (Timeout). On pressing a following key, it recharges the Timeout.
- c) On pressing the first numerical key, the consumer has available 10 Seconds to complete the digitations of the code (Timeout). At the end of Timeout, the LED turns OFF and the procedure is cancelled.
- d) On pressing the key **C**, the procedure is cancelled.
- e) On pressing the key **OK**, the radio-signal codified is transmitted. Before pressing the key **OK**, it is obligatory to press two numerical keys at least.
- f) On composing the code, it is not possible to press more than five numbers, the keyboard will ignore the numbers pressed subsequently.

It is possible to program three operation modes. Press in sequence the following numbers: **00000 OK 99999 OK**, then press the key:

- 4 to program the operation mode **Standard 12**
- 5 to program the operation mode **Standard 20**
- 6 to program the operation mode **Rolling-code**

Standard 12

Type a number included between 1 and 1023 (code), then type a number included between 1 and 4 (channel). Subsequently, press the key **OK** to transmit radio-signal. If the typed number is wrong, on pressing the key **OK**, the Buzzer sounds three times and the keyboard won't transmit the radio-signal. The number corresponding to the dip-switch setting in the **TSAW4N** remote control can be inserted by means of the keyboard **RTA2**. In order to get this number, it is enough to sum the numbers associated with the dip-switch in position **ON** (see figure).



Dip-switch number	Associated value	Code
1	512	512
2	256	
3	128	
4	64	
5	32	32
6	16	
7	8	
8	4	4
9	2	
10	1	
Total		548

In the example of the above figure, the code that must be typed with the keyboard **RTA2** is the number 548 followed by a number included between 1 and 4 in order to identify the key on the remote control **TSAW4N**.

Standard 20 & Standard Rolling-code

Type a number included between 1 and 99999. Then press the key **OK** to transmit radio-signal.

RTA2 – Tastiera multifunzione senza fili

Caratteristiche generali

La tastiera è priva di collegamenti elettrici e può essere utilizzata in diverse applicazioni, tra cui :

- 1) Accensione / spegnimento di sistemi di allarme
- 2) Comando di porte e/o cancelli
- 3) Comando di automatismi vari come luci, irrigazione giardino, etc.

Il dispositivo è alimentato da 2 pile al litio che garantiscono una lunga autonomia di funzionamento.

Cenni di funzionamento

La tastiera è dotata di 12 tasti di seguito elencati :

-Tasti numerici da 0 a 9

-Tasto di Reset denominato **C**

-Tasto di Conferma denominato **OK**

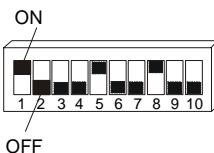
- a) Ad ogni pressione di un qualsiasi tasto il segnalatore acustico si attiva per circa 1/2 secondo.
- b) Ad ogni pressione di un tasto numerico il LED si attiva per circa 5 secondi (Timeout). Ogni pressione successiva di un tasto numerico ricarica il Timeout.
- c) Dalla pressione del primo tasto numerico, l'utente ha a disposizione 10 Secondi per ultimare la digitazione del codice (Timeout). Trascorso tale periodo il LED si spegne e la procedura si annulla.
- d) Premendo il tasto **C** si annulla la procedura.
- e) Premendo il tasto **OK** si abilita l'invio del segnale radio corrispondente al codice digitato. È obbligatorio digitare almeno due tasti numerici prima di premere il tasto **OK**.
- f) Per comporre il codice non è possibile digitare più di cinque cifre, la tastiera ignorerà i numeri premetti in seguito.

Si possono impostare 3 modi di funzionamento. Digitare in sequenza **00000 OK 99999 OK**, dopodiché premere il tasto:

- 4 per impostare il modo di funzionamento Standard 12
- 5 per impostare il modo di funzionamento Standard 20
- 6 per impostare il modo di funzionamento Rolling-code

Standard 12

Digitare un numero compreso tra 1 e 1023 (codice) seguito da un numero compreso tra 1 e 4 (canale). Successivamente premere il tasto **OK** per trasmettere il segnale radio. Digitando un numero errato, alla pressione del tasto **OK** la tastiera emetterà una sequenza di tre note acustiche e non trasmetterà alcun segnale radio. Per risalire al numero da comporre sulla tastiera **RTA2** corrispondente all'impostazione del dip-switch presente nel radiocomando **TSAW4N** è sufficiente sommare le cifre numeriche associate ai dip-switch che si trovano in posizione **ON** (vedi figura).



Posizione dip-switch	Valore associato	Codice
1	512	512
2	256	
3	128	
4	64	
5	32	32
6	16	
7	8	
8	4	4
9	2	
10	1	
Totale		548

Nell'esempio sopra raffigurato il codice da battere sulla tastiera è il numero 548 seguito da un numero compreso tra 1 e 4 che identifica il pulsante sul radiocomando **TSAW4N**.

Standard 20 & Standard Rolling-code

Digitare un numero compreso tra 1 e 99999. Successivamente premere il tasto **OK** per trasmettere il segnale radio.

RTA2 – Clavier multifonction sans fils

Les caractéristiques générales

Le clavier sans fil peut être utilisé pour une gamme d'applications, entre lequel:

- 1) L'activation / désactivation des systèmes d'alarme
- 2) La commande des portes et/ou des portails
- 3) La commande de déferents automatisés tels que l'éclairage, l'irrigation du jardin etc.

Le dispositif est alimenté par deux piles au lithium qui garantissent une longue autonomie de fonctionnement.

Fonctionnement

Le clavier est équipé de 12 boutons qui sont indiqués dans la liste suivante :

-Des boutons numériques allant de 0 à 9

-Le bouton pour la Réinitialisation dénommé **C**

-Le bouton pour l'activation dénommé **OK**

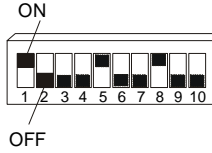
- a) A chaque pression d'un bouton quelconque le signal acoustique on active pour environ 1/2 seconde.
- b) A chaque pression d'un bouton numérique le LED on active pour environ 5 secondes (Timeout). Chaque suivante pression d'un bouton numérique recharge le Timeout.
- c) A partir de la pression de la première bouton numérique, l'utilisateur a à disposition 10 Secondes pour finir de composer le code (Timeout). Après telle période le LED s'éteint et la procédure s'annule.
- d) Quand on appuie sur le bouton **C** on provoque l'annulation de la procédure.
- e) Quand on appuie sur les boutons **OK** il se habilite l'envoi du signal radio correspondant au code composé. Il est obligatoire de composer au moins deux touches numériques avant de presser la touche **OK**.
- f) Pour composer le code il n'est pas possible de numériser plus que cinq chiffres, le clavier ignorera les numéros pressé par la suite.

Ils peuvent programmer 3 manières de fonctionnement. Numériser en séquence **00000 OK 99999 OK**, puis presser le bouton:

- 4 pour programmer le mode de fonctionnement **standard12**
- 5 pour programmer le mode de fonctionnement **standard20**
- 6 pour programmer le mode de fonctionnement **Rolling-code**

Standard 12

Numériser un numéro compris entre 1 et 1023 (code) suivi par un numéro compris entre 1 et 4 (canal). Successivement presser le bouton **OK** pour transmettre le signal radio. En numérisant un numéro erroné, à la pression de la touche **OK** le clavier émettra une séquence de trois sons acoustiques et il ne transmettra aucun signal radio. Pour établir le numéro à composer sur le clavier **RTA2** correspondant à la position du dip-switch présent dans l'émetteur **TSAW4N** il est suffisant d'ajouter les chiffres numérique associées aux dip-switch qui se trouvent en position **ON** (voir illustration).



Position Dip Switch	Valeur associée	Code
1	512	512
2	256	
3	128	
4	64	
5	32	32
6	16	
7	8	
8	4	4
9	2	
10	1	
Totale		548

Dans l'exemple sur indiqué le code qui faudra composer sur le clavier est le numéro 548 suivi par un numéro compris entre 1 et 4 qu'il identifie le bouton sur l'émetteur **TSAW4N**.

Standard 20 & Standard Rolling-code

Numériser un numéro compris entre 1 et 99999. Successivement presser la touche **OK** pour transmettre le signal radio.

INSTALLAZIONE

- a) Posizionare la tastiera vicino al ricevitore e lontano da strutture metalliche.
- b) Fissare la tastiera alla parete tramite le due asole passanti poste sulla base (Figura 1).
- c) Accendere la tastiera RTA2 posizionando il Jumper tra i punti A e B (Figura 2).
- d) Applicare la tastiera alla base tramite le apposite viti (Figura 3).

SOSTITUZIONE DELLE PILE

Per la sostituzione delle pile, togliere la tastiera dalla base svitando le due viti (Figura 3). Spegnerla la tastiera posizionando il Jumper tra i punti B e C (Figura 2). Sostituire le pile rispettando le polarità (Figura 2). Ripetere l'operazione dal punto C.

Avvertenza: Nel caso di smaltimento dell'apparecchio, le batterie devono essere rimosse ed eliminate secondo le normative vigenti. In nessun caso devono essere disperse nell'ambiente o assimilate a rifiuti solidi urbani.

DICHIARAZIONE DI CONFORMITÀ

Modello : **RTA2**

Descrizione : **Tastiera radiocomando a 433.92 MHz**
Norme applicate: EN60950-1 2006, EN 50371 2002, EN301489-1 V1-8-1, EN301489-3 V1.8.1, EN300220-2 V2.1.2

Il fabbricante dichiara che il prodotto è conforme alle normative previste dalle direttive 1999/05/CE e 2006/95/CE

Date : 13-11-2009

INSTALLATION

- a) Place the keyboard near to the receiver and far from metal structures.
- b) Apply the keyboard to the wall through the two slots located on the base (Figure 1).
- c) Switch ON the keyboard placing the Jumper between the contacts A and B (Figure 2).
- d) Joint the keyboard to the base by means of the suitable screws (Figure 3).

BATTERIES REPLACEMENT

In order to replace the batteries, remove the keyboard from the base unscrewing the two screws (Figure 3). Switch OFF the keyboard placing the Jumper between the contacts B and C (Figure 2). Replace the batteries observing the polarities (Figure 2). Repeat the operation from point C.

Warning: In case of device elimination, the batteries must previously be removed and eliminated according to the enforced norms. In no case they must be dispersed in the space or be assimilated to the urban's solid refusals.

CONFORMITY DECLARATION

Model : **RTA2**

Description : **433.92 MHz Remote control keyboard**
Rules applied: EN60950-1 2006, EN 50371 2002, EN301489-1 V1-8-1, EN301489-3 V1.8.1, EN300220-2 V2.1.2

The manufacturer declares that the device comply to the norms provided for by directives 1999/05/CE and 2006/95/CE

Date : 13-11-2009

INSTALLATION

- a) Positionner le clavier près du récepteur et loin de structures métalliques.
- b) Appliquer le clavier au mur par les deux trous positionnés sur la base (Figure 1).
- c) Allumer le clavier RTA2 en positionnant le Jumper entre les points A et B (Figure 2).
- d) Appliquer le clavier à la base avec les vagues spéciales (Figure 3).

SUBSTITUTION DES PILES

Pour la substitution des piles, enlever le clavier de la base en dévissant les deux vagues (Figure 3). Éteindre le clavier en positionnant le Jumper entre les points B et C (Figure 2). Remplacer les piles en respectant les polarités (Figure 2). Répéter l'opération du point C.

Avvertissement: En cas d'élimination du dispositif, les batteries doivent précédemment être enlevées et doivent être éliminées selon les normes imposées. Ils ne doivent pas être dispersés dans l'espace et ils ne doivent pas être assimilés aux ordures urbaines.

DÉCLARATION DE CONFORMITÉ

Modèle : **RTA2**

Description : **Clavier émetteur de 433.92 MHz**
Règle appliquée: EN60950-1 2006, EN 50371 2002, EN301489-1 V1-8-1, EN301489-3 V1.8.1, EN300220-2 V2.1.2

Le fabricant déclare que le dispositif est conforme aux règles prévues par les directives 1999/05/CE et 2006/95/CE

Date : 13-11-2009

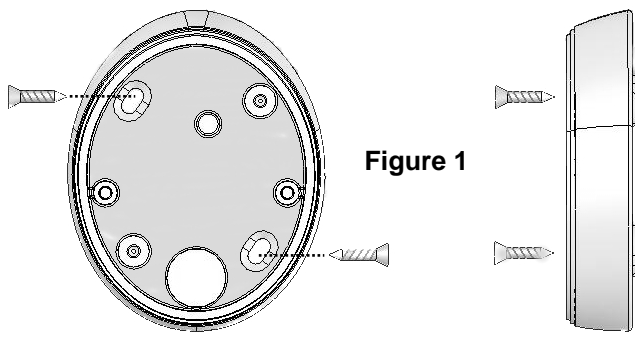


Figure 1

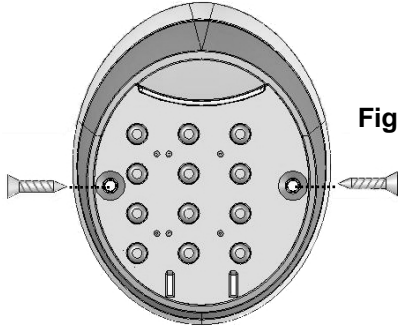


Figure 3

PILE / BATTERIES

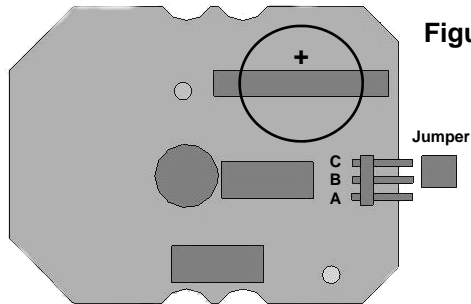
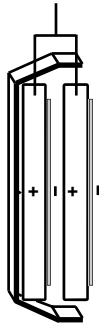


Figure 2



Caratteristiche Tecniche

Alimentazione : 2 Pile al litio CR2032
 Assorbimento : 13 mA circa
 Autonomia : 2 anni circa
 Frequenza di lavoro : 433.92 MHz
 Potenza irradiata : 0.1 mW
 Dimensioni : 82 x 66 x 30 mm
 Peso : 80 gr
 Temperatura di lavoro : -10 / + 55 °C

Technical Features

Power supply : 2 CR2032 lithium batteries
 Power consumption : approximately 13 mA
 Autonomy of operation : approx. 2 years
 Operating frequency : 433.92 MHz
 Radiated power : 0.1 mW
 Dimensions : 82 x 66 x 30 mm
 Weight : 80 gr
 Operating temperature range : -10 / + 55 °C

Les Caractéristiques Techniques

Alimentation : 2 Piles au lithium CR2032
 Absorption : 13 mA environ
 Autonomie : 2 ans environ
 Fréquence de travail : 433.92 MHz
 Puissance rayonnée : 0.1 mW
 Dimensions : 82 x 66 x 30 mm
 Poids : 80 gr
 Température de travail : -10 / + 55 °C



SELF INSTALL - NEED TECHNICAL ASSISTANCE?

OPTION 1: DIRECT WITH THE SERVICE DESK – QUICKEST AND MOST EFFECTIVE METHOD

Submit your enquiry direct with the service desk at – service@automaticsolutions.com.au

The service desk has the most experienced staff in Australia to help with your problem but they need your help.

- Describe your problem in detail and as clearly as possible. Don't forget to include a telephone number.
- Be certain to detail which model or models of you are working with.
- Send photos of the installation – they love photos. The people at the service desk are good but they are even better when they can see the installation. Send photos of the overall scene so they can see the entire installation. Also send photos of the wiring to the control board and any other part of the installation you think is relevant.
- Send video if appropriate. Smartphone's these days take remarkably good video in small file sizes which can be emailed in a moment. If your problem needs a video to show the issue please feel free to send it.

**NOTE: THIS IS BY FAR THE FASTEST AND MOST SUCCESSFUL WAY TO SOLVE YOUR PROBLEM
PHOTOS AND VIDEOS ARE THE NEXT BEST THING TO BEING THERE**

OPTION 2: LODGE YOUR ENQUIRY LOCALLY - SLOWER BUT CAN STILL BE EFFECTIVE

Make contact with the store of purchase. Branch staffs are typically not technicians and dependent on their length of service will have varying degrees of technical knowledge. If they cannot help however they will certainly either source help locally from their technicians or make contact with the service technicians on your behalf.

OPTION 3: SERVICE CALL WITH AUTOMATIC SOLUTIONS TECHNICIAN – SLOWEST METHOD

If you fall within the local branch service area it may be possible to book a local technician to look at your installation. Wait times will vary dependent on local workloads. The cost is a service fee which includes the first half hour and the hourly rate thereafter. If any Automatic Solutions provided parts are found to be defective and within warranty these will be provided free of charge.

(NOTE: If you suspect that any parts are defective and within warranty you may wish to consider option 4)

A note on this option: If you decide on this option you will be asked to sign an "authorisation to proceed" which will provide legal authority and payment security. This form has three options available of which only the first two are available to you. The third option is for warranty repairs only for full install customers. Self install customers requiring warranty only service need to refer to option four below.

IMPORTANT: IN SHORT THIS OPTION WILL INCUR CHARGES

OPTION 4: RETURN THE PRODUCT IF BELIEVED TO BE FAULTY

As a self install customer who has purchased product if you believe the product to be faulty rather than an installation or site problem you have the option of returning the product for evaluation and to exercise your right to a replacement, repair or refund as applicable. All returned product is forwarded immediately to the service technicians for evaluation and response. There are two main methods available to return product –

- Direct to the service centre – this is the quickest method as it cuts out the branch delay
- Via the branch of purchase – slower because of the delay at the branch

When choosing this option you need to complete a product return form. This form gives you all the information on procedure involved and where to send to. These are available at the branch of purchase, can be emailed to you (contact your branch), or available here - <http://automaticsolutions.com.au/page/warranty.php>