

## MXA086 REMOTE CONTROL BY MOBILE PHONE

### MXA086 ວິຈາໄຕຣັດສ້າງນາທາໂກຣສັບທີມືອລືອ

MXA086 is a remote control by mobile phone. This circuit is suitable to wireless control the electrical equipment etc.

#### FEATURES

- Power supply : 12VDC.
- Current consumption at standby : 30mA.
- Current consumption at working : 300mA.
- Use with the mobile phone system.
- 1 channel of relay output and 2 channels of output signal (5VDC).
- Relay output : 1A. at 12VDC.
- 4 digits of password setting.
- Dimensions : 3.60" x 1.96"

#### CONNECTING

- 12V channel (channel 1) is used to connect the 12VDC power supply.
- SP point is used to connect the Small Talk of mobile phone.
- COM and NO points are used to connect the electrical equipment.
- 3 and 2 channels are connected the output signal point. It will send the voltage 5VDC when receiver.

#### HOW TO SET RECEIVER MOBILE PHONE (FOR OPEN OPERATION ONLY)

1. Setting mobile phone to automatic answer.
  2. Connect Small Talk and put mic of Small Talk near the speaker of circuit.
  3. Remove jumper JP2 and supply power to the circuit.
  4. Calling to the receiver mobile phone, then press 3 alphanumeric keys of the transmitter mobile phone, comprising "0", "\*" and "#". The display of MXA086 is showing "A", "b" and "c" respectively.
- NOTE:**
- a) When press each alphanumeric key, wait about 1 second.
  - b) If the correct word does not display, adjust the volume of the receiver mobile phone.
  - 5. Disconnect the power supply and connect JP2 and then supply the power

MXA086 ເປັນວິຈາໄຕຣັດສ້າງນາທາໂກຣສັບທີມືອລືອ ຊຶ່ງສາມາຮອນນໍາໄປປະຢຸດໄດ້ຫຍາຍ  
ຈາກຂໍ້ວັນເຊີ້ນ ເຊັ່ນ ສ້າງນາເປີດປົດອຸປະກອນຕ່າງໆ ແນວໃຮສ້າຍເປັນດູນ

#### ຄູ່ຄໍານັບ

- ໄໃໝ່ໄລ່ງວັງຈາກ 12 ໂວລທີ່
- ຂະນະແສນດ້ານຍົກກົງຮະສູງສຸດປະປານ 30 ມີຄລິແມອນໆ
- ຂະໜະທຳງານ ກົນກະຮະແສງສູງປະປານ 300 ມີຄລິແມອນໆ
- ໄໃໝ່ກັບໂທຣສັບທີມືອລືໂຄຍພານສາຍ Small Talk
- ຄວາມຄຸມຄົງໃໝ່ໄຟຟ້າດີ 1 ຂອງ ແລະ ສັງສັນ 5 ໂວລທີ່ 2 ຂອງ
- ພັນໂໂລດໄໝສູງສຸດ 1 ໂອນໆ ທີ່ 12 ໂວລ໌
- ຕັ້ງຮັບຜັນໄດ້ຈຳນວນ 4 ແລ້ວ
- ຂາດີແນວງຈົບປັດ : 3.60x1.96 ນັ້ນ

#### ຈຸດຕອດຕາງໆ

- ຈຸດ 12V (ຂອງ 1) ໃຫ້ຕອແຫລດຈາຍໄຟຟ້ານາດ 12 ໂວລທີ່ ເຊັ່ນ
- ຈຸດ SP ໃຫ້ກັບສາຍໜູ້ພື້ນຂອງ Small Talk
- ຈຸດ COM ແລະ NO ໃຫ້ກັບອຸປະກອນໄຟຟ້າຕ່າງໆ ທີ່ເຮົາດ້ວຍການຄວາມຄຸມ
- ຂອງ 3 ແລະ 2 ເປັນຈຸດຕົວສູງຍາມອອກ ໂດຍສ່າງໄຟຟ້ານາດ 5 ໂວລທີ່ ອອກມາ

ສາມາຮອນນໍາໄປໂຄກເບີເຄຍກົດ (MXA016) ເພີ່ມຮູດໃໝ່ງານໄດ້ອີກ 2 ຂອງ

#### ກຳຕັ້ງໂທຣສັບທີມືອລືດ້ວັນ ເມື່ອເຮັມໃໝ່ງານຄຽນຮັບ

1. ໄກສ້າງໂທຣສັບທີມືອລືໃຫ້ຮັບສະອັດໂນມືດີ
2. ດັບ Small Talk ແລະ ນໍາມືກ່າງໄຟຟ້ານາດໄປກົດກັນລຳໄພງຂອງຈາກ
3. ທຳມະການໂຄດົມເປົ້າກົດ JP2 ອອກ ແລ້ວຈຳໄຟຟ້າໃຫ້ງຈາກ
4. ໂທຣໄປຈັງນາທາໂກຣສັບທີມືອລືດ້ວັນ ແນວໃຈ້ນໍາມາດັ່ງນັ້ນ

ເລກທີ່ໂທຣສັບທີ່ດ້ວຍ ໜ້າຈອງຈົ່ນໜໍາມາເລີກທີ່ທີ່ຈະຮັດການຄຸມໆຂອງເຮົາ (ສໍາຮັນໆນຸ່ມ  
0 ນ້າຈອງຈົ່ນ A, ນຸ່ມ \* ນ້າຈອງຈົ່ນ b ແລະ ນຸ່ມ # ນ້າຈອງຈົ່ນ c)

**ໝາຍເຫຼຸດ :**

- ໃກສ້າງໂຄດົມເປົ້າກົດໃຫ້ຮັບສະອັດໂນມືດີ
- ໃກສ້າງໂຄດົມເປົ້າກົດໃຫ້ຮັບສະອັດໂນມືດີ

ຮະດັບສິ່ງຂອງໂທຣສັບທີມືອລືດ້ວັນ ຈາກວ່າງນາຈະແຈ້ງໄດ້ຢັນແປງຄວາມກົດອອກ

again. The circuit is ready to work.

#### USING

- 1.Calling to the receiver mobile phone.
- 2.When mobile phone is hooking up, press #, 2 seconds long beep will be heard.
- 3.Press password 4 digits (password from factory is 1234). If password is correct, there will be 3 beeps. But if password is incorrect, there will be 2 seconds long beeps.
- 4.Working by use of password from factory (see no.5) or changing password (see no.6).
- 5.Press the numeric 2 digits, with first digit means the channel selected to operate. And the second digit means the on/off operation.

- Press 1,2,3 or 4 for selecting the channel 1,2,3 or all channels, respectively.
- Press 0 or 1 for selecting the turn on or turn off operation.

#### Example:

If user want to operate channel 1, press 1 1, there will be 2 beeps. And when wanting to stop operation, press 1 0, there will be 1 beep.

**NOTE:** If user want to set the all relay ON, press 41, there will be 2 beeps. And if user want to set the all relay OFF, press 40, there will be 1 beep.

6.To change the password, press 90, there will be 4 beeps, then press new password 4 digits and there will be 3 beeps.

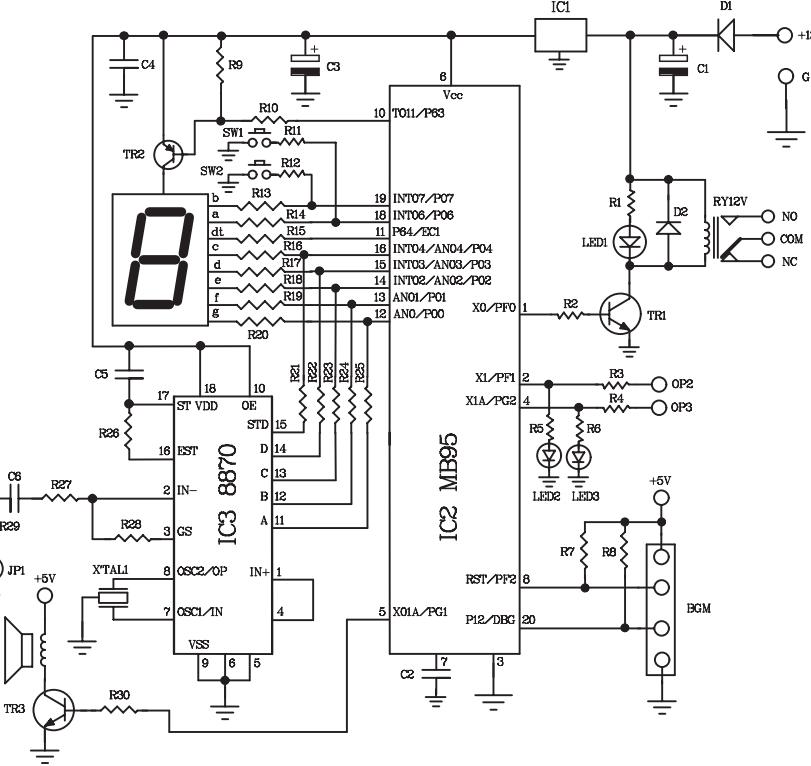
7.If user want to exit operation, press #, the display will show "c" and there is 2 seconds long beep. Then the display is showing "F" for into standby mode.

**NOTE:** When the circuit is working, if no press any key within 8 seconds, the circuit will be restart again.

#### USING AND DON'T USE THE PASSWORD

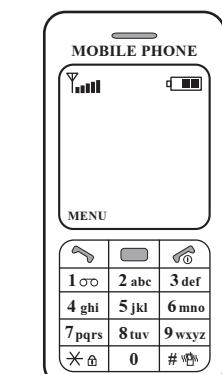
- If user want to use the password, disconnect jumper JP2.
- If user don't want to use the password, connect jumper JP2.

**NOTE:** If user connect jumper JP2 and then disconnect jumper JP2, passwork will be reset to the factory code "1234".

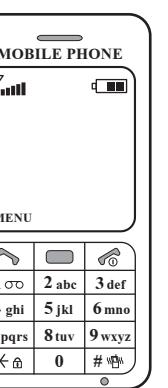


CIRCUIT DIAGRAM

#### RECEIVER MOBILE PHONE

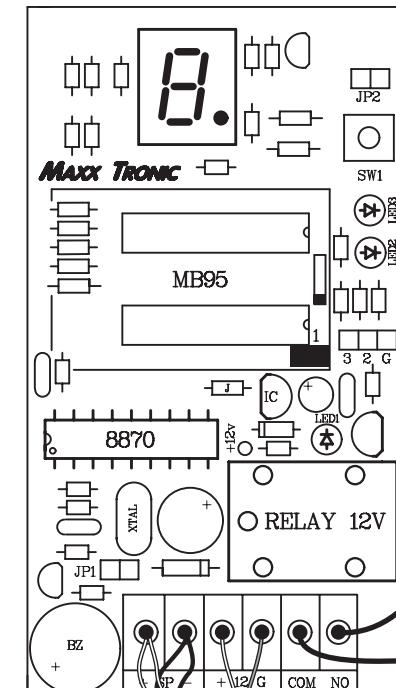


#### TRANSMITTER MOBILE PHONE

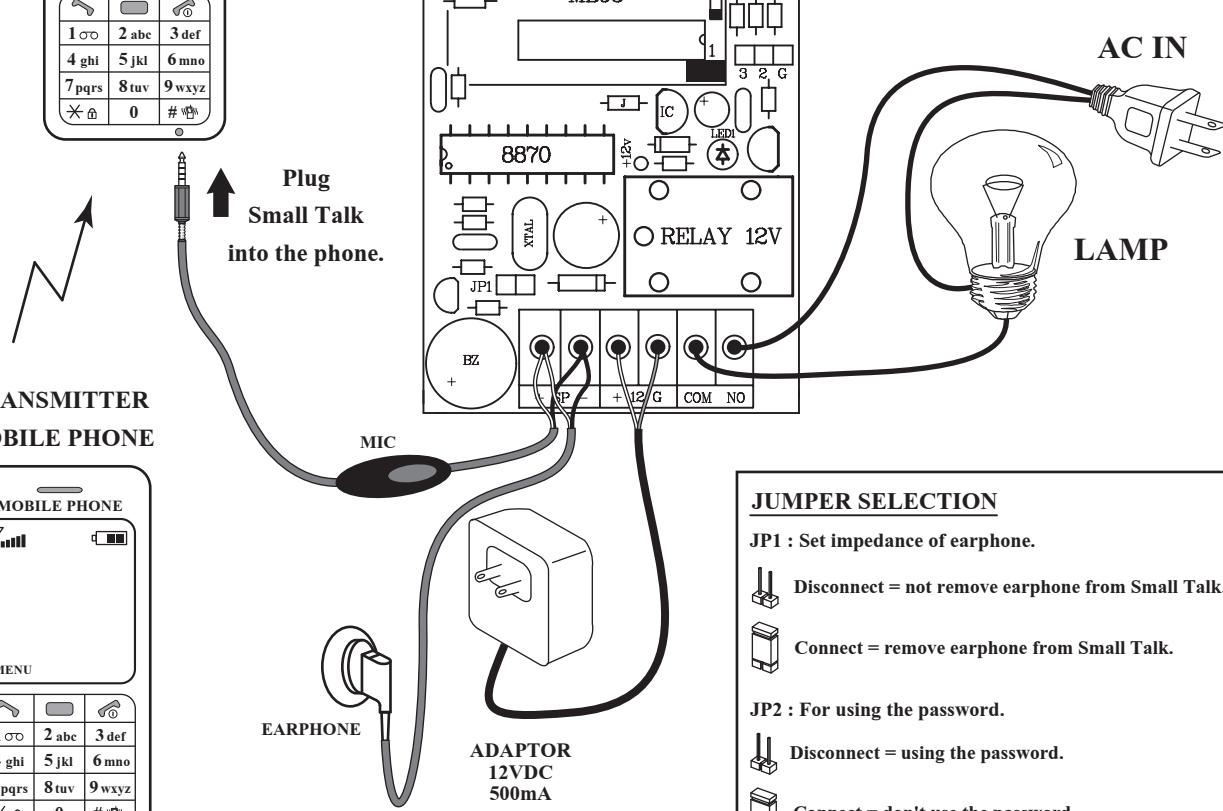


NO.1

#### MXA086



#### INSTALLATION OF THE REMOTE CONTROL BY MOBILE PHONE CIRCUIT



#### JUMPER SELECTION

- |  |   |
|--|---|
| JP1 : Set impedance of earphone.           | Disconnect = not remove earphone from Small Talk. |
| Connect = remove earphone from Small Talk. |   |
| JP2 : For using the password.              | Disconnect = using the password.                  |
| Connect = don't use the password.          |   |