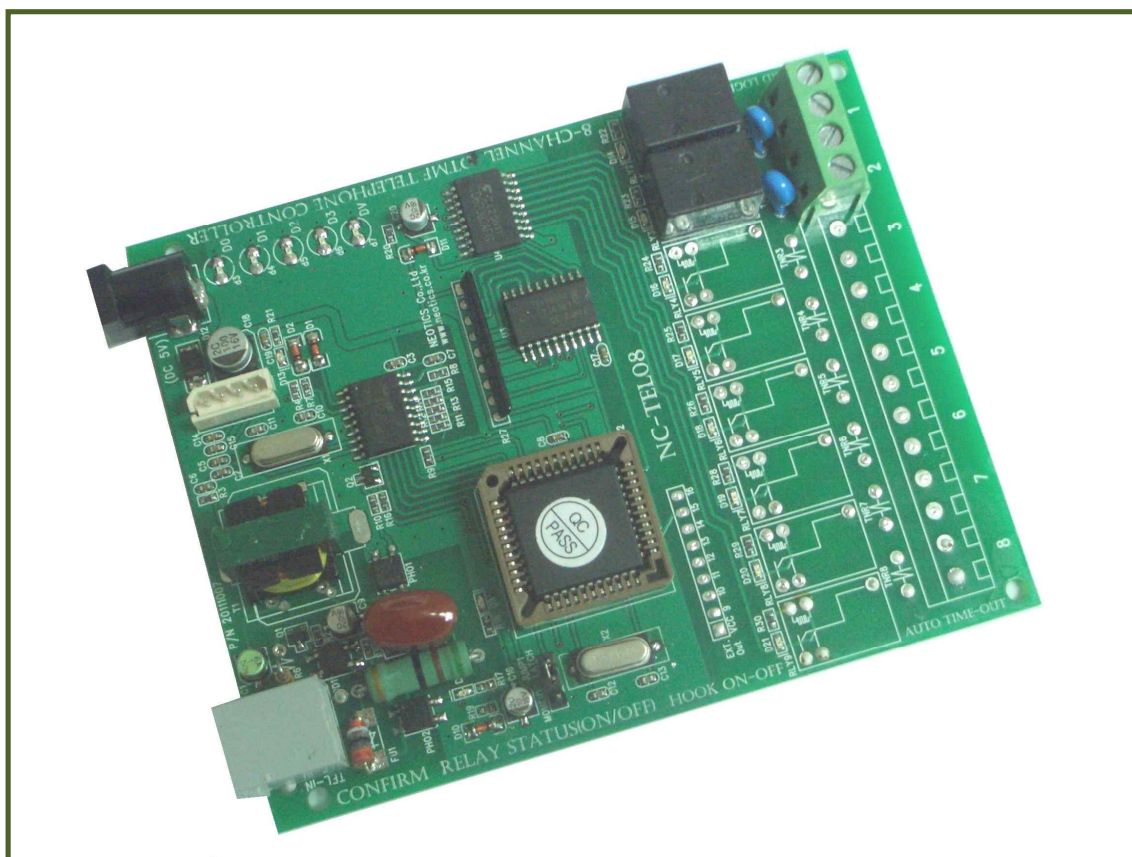


Telephone-Line Remote Switch Unit

Max 8-Channel

NC-TEL08 Ver 7.0



1. Telephone-Line 8-Channel Remote Control Switch.

- * This is a multi-functional complex control device that can control relay (switch) from a remote place by a Telephone-line phone or wired/wireless equipment.
- * You can start/terminate the operation of machinery device or controller equipment from a remote area, by pressing the number buttons(0-9, #, *) on your landline phone / cellular phone.
- * Having such functions as auto receive, password confirmation, auto disconnection built-in, it enables easy control for the user.
- * In addition to password confirmation function, password change function is also available any time when needed.
- * Simply connecting telephone line with power line, you can start/terminate as well as control singly or successively maximum 8 equipments.

2. Features -

- . Control from a remote place through telephone-line (Switch on/off, various controls)
- . Additional wireless method or cable not required.
- . Maximum 8 switches/control lines can be connected.
- . Password confirmation function prevents the use of any other than the original user.
- . Built-in display LED shows the operation process.

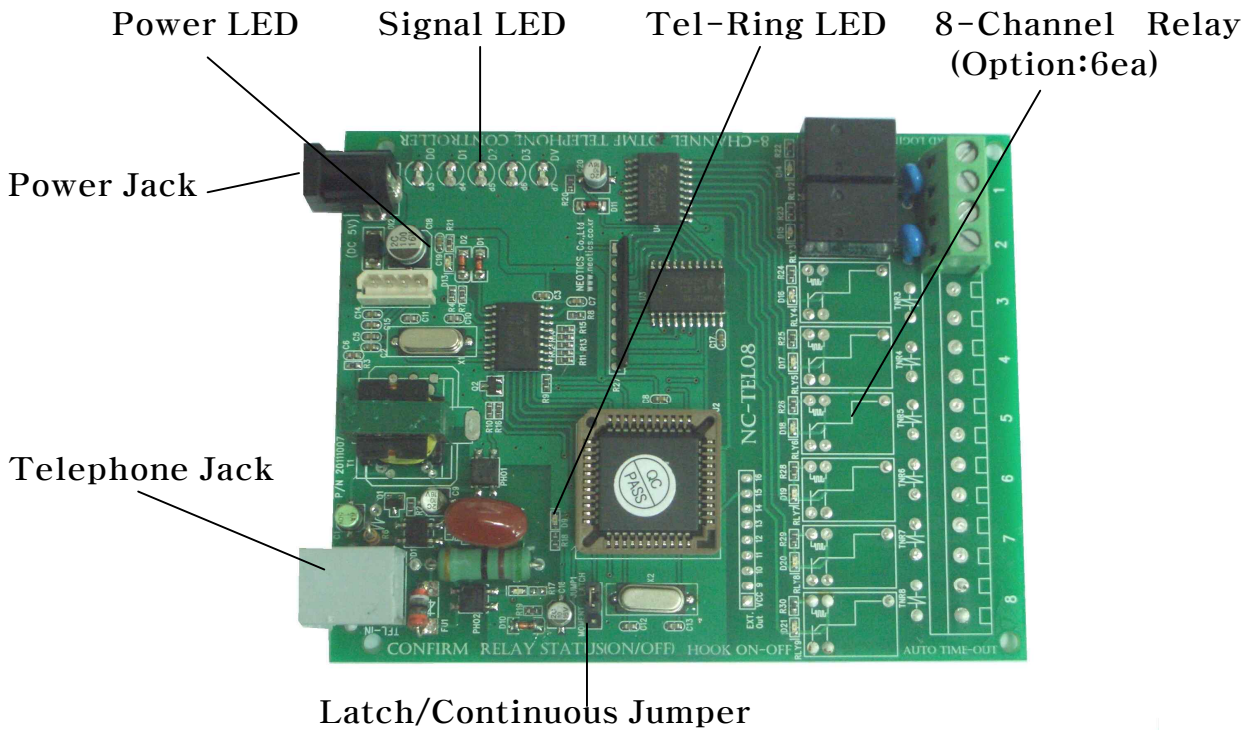
3. Applications.

1. Remote controlling through PSTN or by cellular phone.
2. Long distance controlling, from anywhere in Korea or other country.
3. Depending on the uses, you can select control method from wired/wireless/infrared ray.

4. Telephone-Line 8-Channel Remote Control Switch Specification.

Item	Specification
Input Power	DC 5V
Current	Under 150mA
Output Terminal	Relay port 8 (Terminal)
Display	Power-LED / Signal-LED
Temp.	0°C - +70°C
Connection Line	Telephone-Line(PSTN)

5. Telephone-Line 8-Channel Remote Control Switch Information.



- * Power LED : Power ON Display-LED.
- * Tel-Ring LED : Ring Bell Display-LED.
- * Signal LED : DTMF Tone Control Display-LED (4-Bit). (Binary Count Display)
- * Power Jack : Input Power DC 5V.
- * Telephone Jack : Connect Telephone-Line(PSTN) Plug
- * 8-Channel Relay : On / Off Control Relay. (Include 2-Set Relays) (Option : relay, TNR, Terminal)
- * Latch / Continuous : Select Relay Control Type.
 - . Latch : Change "H" or "L" per push Telephone Number key.
 - . Continuous : Change "H" or "L" output during pushing Telephone Number key.

6. Telephone-Line 8-Channel Remote Control Switch How To Use.

With the password function built in, it doesn't start operating without password input.
(password set '0000' at the time of manufacturing/first power connection)

**** Basic command **** (Usable only when the password is confirmed.)

- . Password decoding : 99*000#
- . Password change : 77*000#123# password '000' changed into '123'.
- . Each relay ON : Number + "*" ex) Relay no.1 ON : 01*
- . Each relay OFF : Number + "#" ex) Relay no.3 OFF : 03#
- . Relay operation check : 66*number# ex) Relay no.1 : 66*01#
Relay ON.....'Beep' signal sound.
Relay OFF.....'Beep-Beep' signal sound.
(Relay on successive operation is mute.)
- . Password setting : 88+"*" +000+"#"
- . Phone disconnection : 55*

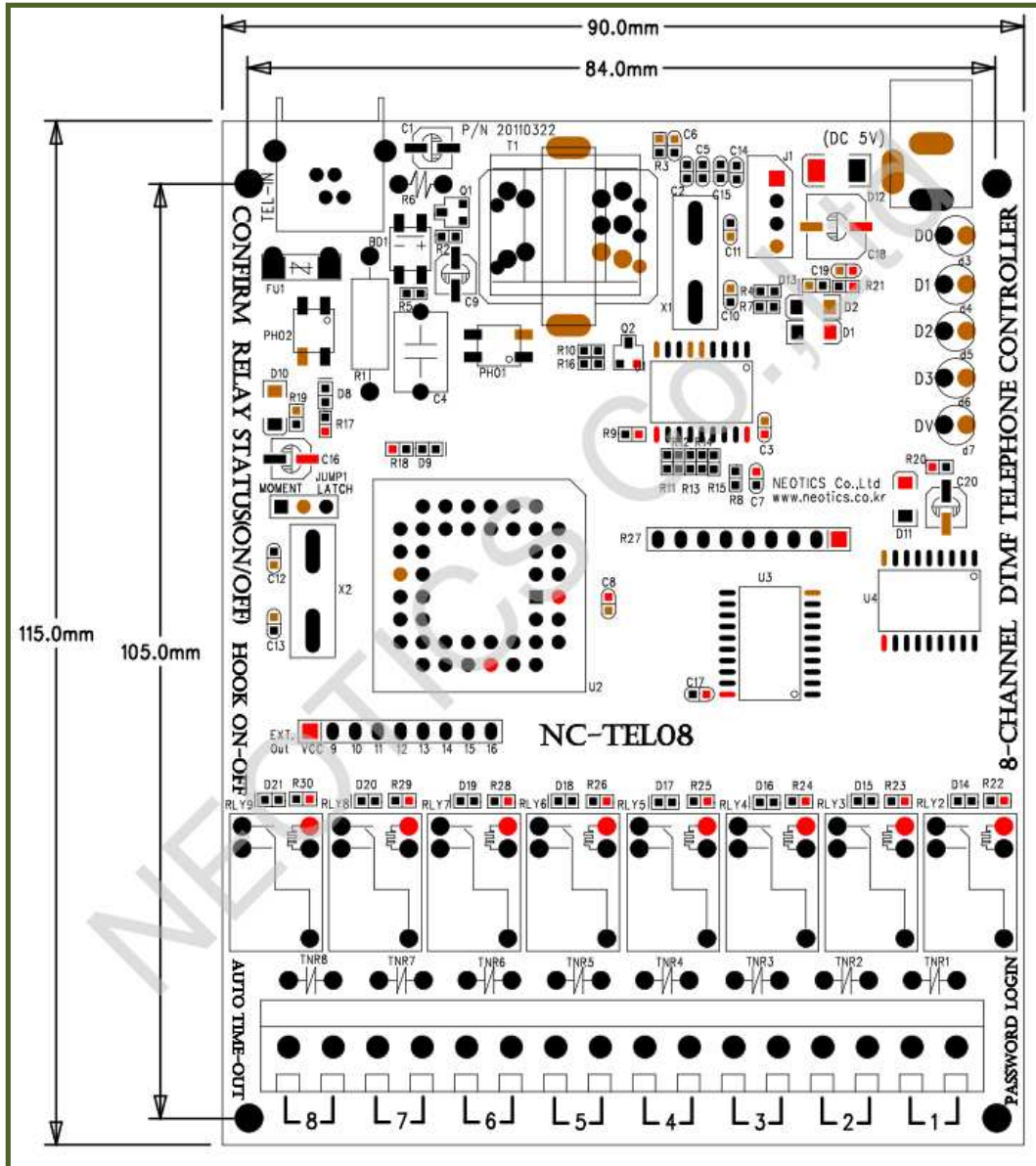
**** Control by telephone ****

1. Call to the number connected to this 8-channels remote controller, by a Telephone-line phone or cellular phone.
 2. The circuit is automatically connected after 6~7 Ringing.
 3. Command password decoding. (if not, following commands are to be ignored.)
 4. When the circuit starts operating, practice basic operating function commands.(press number buttons).
 5. Operation completed, hang up the phone after telephone disconnection command.
- ☆. Automatic disconnection under the condition of phone disconnected or operating commands not input for 30 seconds.

☆ Caution ☆

- . You get confirmation signal sound when each operation is normally practiced.
(Exception remote control.)
- . If you don't get signal sound, it is regarded as not operating. (Operation commands was ignored.)
- . Operation commands in the course of confirmation signal sounds are to be ignored.
(Make sure to input next control signal after confirmation signal sound.)

7. Telephone-Line 8-Channel Remote Control Switch Size.



******* Caution*******

1. Check the features first to connect with other equipment.
2. This circuit is strictly tested.
3. The developer, manufacturer or dealer is not responsible for any malfunctioning/damage caused by connection with other equipment.
4. Appropriate permit /approval is required for some products utilizing this module, depending on functions and usages.

- For more information and inquiry, please refer to the sites below.

R&D : <http://www.neotics.co.kr>
 Sales : <http://www.logiccamp.co.kr>

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