14010D

PROFESSIONAL WIRELESS DUAL-CHANNEL ALARM SYSTEM SET
INSTRUCTION MANUAL AND TECHNICAL SPECIFICATIONS

INTRODUCTION.

14010D is the wireless dual-channel multi purpose alarm system set designed for use as a Panic Button in security systems and for remote control of ELECTRICAL GATES, SLIDING DOORS, ELECTROMAGNETIC LOCKS, AUTOMATIC BARRIERS, ELECTRICAL CURTAINS, LIGHTING FIXTURES, etc.

14010D FEATURES.

- **TWO INDEPENDENT CHANNELS.**
- **FOUR OPERATING MODES OF THE RECEIVER:**

1. PANIC BUTTON MODE (SECURITY)
2. SWITCHING MODE (ON/OFF).
3. HOLD MODE (CONTINUOUS)
4. PULSE MODE - 1SECOND

- Receiving range in open space - up to 250 meters
- Maximum quantity of remote controls learning the receiver ï 680 pieces
- Easy learning of the receiver by additional remote controls
- Unauthorized access protection (in ñPanic Buttonò mode)
- Last event memory: 30min (in ñPanic Buttonò mode)
- The alarm comes on when the electric power supply is disconnected (in ñPanic Buttonò mode).

SETTING THE RECEIVER OPERATING MODES.

Jumpers "SEC-1" and "TGL-1ôï for setting the operating modes of the first receiver channel.
Jumpers "SEC-2" and "TGL-2ôï for setting the operating modes of the second receiver channel.

1. «PANIC BUTTON MODE».

SETTING THE OPERATING MODE OF THE FIRST RECEIVER CHANNEL:	SETTING THE OPERATING MODE OF THE SECOND RECEIVER CHANNEL:
Jumper ñSEC-1ò ï is installed. Jumper ñTLG-1òï is installed.	Jumper ñSEC-2ò ï is installed. Jumper ñTLG-2òï is installed.

This mode is used in security systems. The alarm occurs by pressing the remote control button, by unauthorized receiver opening, or when the electric power supply is disconnected. Last event memory - 30 minutes.

ATTENTION! In the «PANIC BUTTON MODE» the receiver does not operate if the cover is removed.

2. «SWITCHING MODE» (ON/OFF).

SETTING THE OPERATING MODE OF THE FIRST RECEIVER CHANNEL:	SETTING THE OPERATING MODE OF THE SECOND RECEIVER CHANNEL:
Jumper ñSEC-1ò ï is installed. Jumper ñTLG-1òï is removed.	Jumper ñSEC-2ò ï is installed. Jumper ñTLG-2òï is removed.

Each pressing the remote control button corresponds to one of the relay positions (ON/OFF).

3. «HOLD MODE (CONTINUOUS)».

SETTING THE OPERATING MODE OF THE FIRST RECEIVER CHANNEL	SETTING THE OPERATING MODE OF THE SECOND RECEIVER CHANNEL
Jumper ñSEC-1ò ï is removed. Jumper ñTLG-1òï is installed.	Jumper ñSEC-2ò ï is removed. Jumper ñTLG-2òï is installed.

The receiver relay is activated during the continuous pressing the remote control button.

4. «PULSE» MODE» - 1 SECOND.

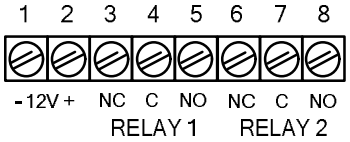
SETTING THE OPERATING MODE OF THE FIRST RECEIVER CHANNEL:	SETTING THE OPERATING MODE OF THE SECOND RECEIVER CHANNEL:
Jumper ñSEC-1ò ï is removed. Jumper ñTLG-1òï is removed.	Jumper ñSEC-2ò ï is removed. Jumper ñTLG-2òï is removed.

Pressing the remote control button (A) activates the relay of the first receiver channel for 1 second.
Pressing the remote control button (B) activates the relay of the second receiver channel for 1 second.

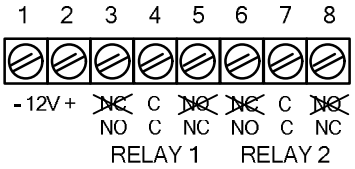
RECEIVER CONNECTION.

Run the cable through the cable entry hole and connect the wires in accordance to the following instructions:
Terminals 1, 2 (marked -12V+) - for power supply.
Terminals 3, 4, 5, 6, 7, 8 – relay outputs (RELAY1), (RELAY2) for two receiver channels.

CONNECTING THE RECEIVER IN «PANIC BUTTON MODE»



CONNECTING THE RECEIVER IN THE FOLLOWING MODES:
«SWITCHING MODE» (ON/OFF)
«HOLD MODE» (CONTINUOUS)
«PULSE MODE»



MEMORY CLEARING.

1. Disconnect power.
2. Remove jumper «LRN».
3. Restore power – LED starts blinking for 5 seconds and then will be OFF. All pre-programmed codes are erased.
4. Replace jumper «LRN».
5. Start new learning of the receiver.

LEARING OF THE RECEIVER.

1. Remove jumper «LRN» – LED will be OFF.
2. Press any of the remote control buttons – the receiver's LED will flash once indicating successful code memorizing – the receiver is learned by the remote control.
If necessary, learn the receiver by additional remote controls.
3. Replace jumper «LRN».
4. Repeat steps 1-3 to learn the receiver by additional remote controls.

- Maximum quantity of remote controls learning the receiver – 680 pieces.

RECEIVING RANGE.

The operating range of the hand-held remote controls depends on the mounting location of the receiver. The various obstructions, the environmental factors, the radio-frequency and electromagnetic sources might influence the emission of radio-signal and as a result, might shorten the receiving range. For optimal radio-signal reception: mount the receiver at least 1.5 meter above the ground, as far as possible from any radio frequency and electromagnetic sources.

TECHNICAL SPECIFICATIONS.

Power input: ... 12-16VDC;
Current consumption:
In stand-by mode: ... 15mA/12V;
In active mode: ... 39mA/12V;
Receiving range in open space: ... up to 250m;
Operating frequency: ... 433.92MHz ±50kHz;
Radiated power: ... <5mW;
Memory capacity: ... 680 codes;
Warm up period: ... 0.5sec;
Alarm period (in panic button mode): ... 3sec;
Last event memory (in panic button mode): ... 30 min;
Dry contact relay: DC30V/1.0A; DC60V/0.3A; AC125V/0.5A;
Opening protection: ... tamper switch;
Operating temperature range: ... -20ºC +50ºC;
Storage temperature range: ... -40ºC +80ºC;
Dimensions: ... 85mm x 40mm x 20mm;
Weight: ... 127gr.

OC03