



Fiber Optic Intrusion Detection System NS-200S User Manual

1 · Panel Introduction

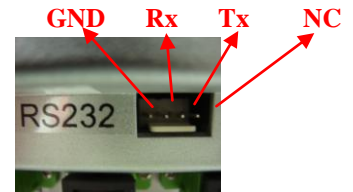
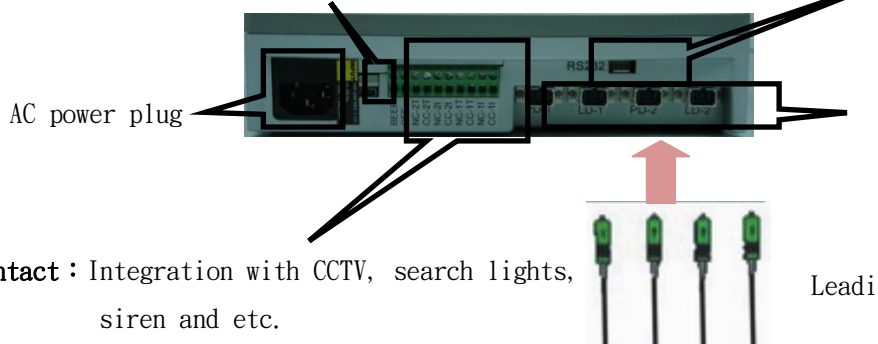


Left Side View



MINI USB Connection port

Bottom View



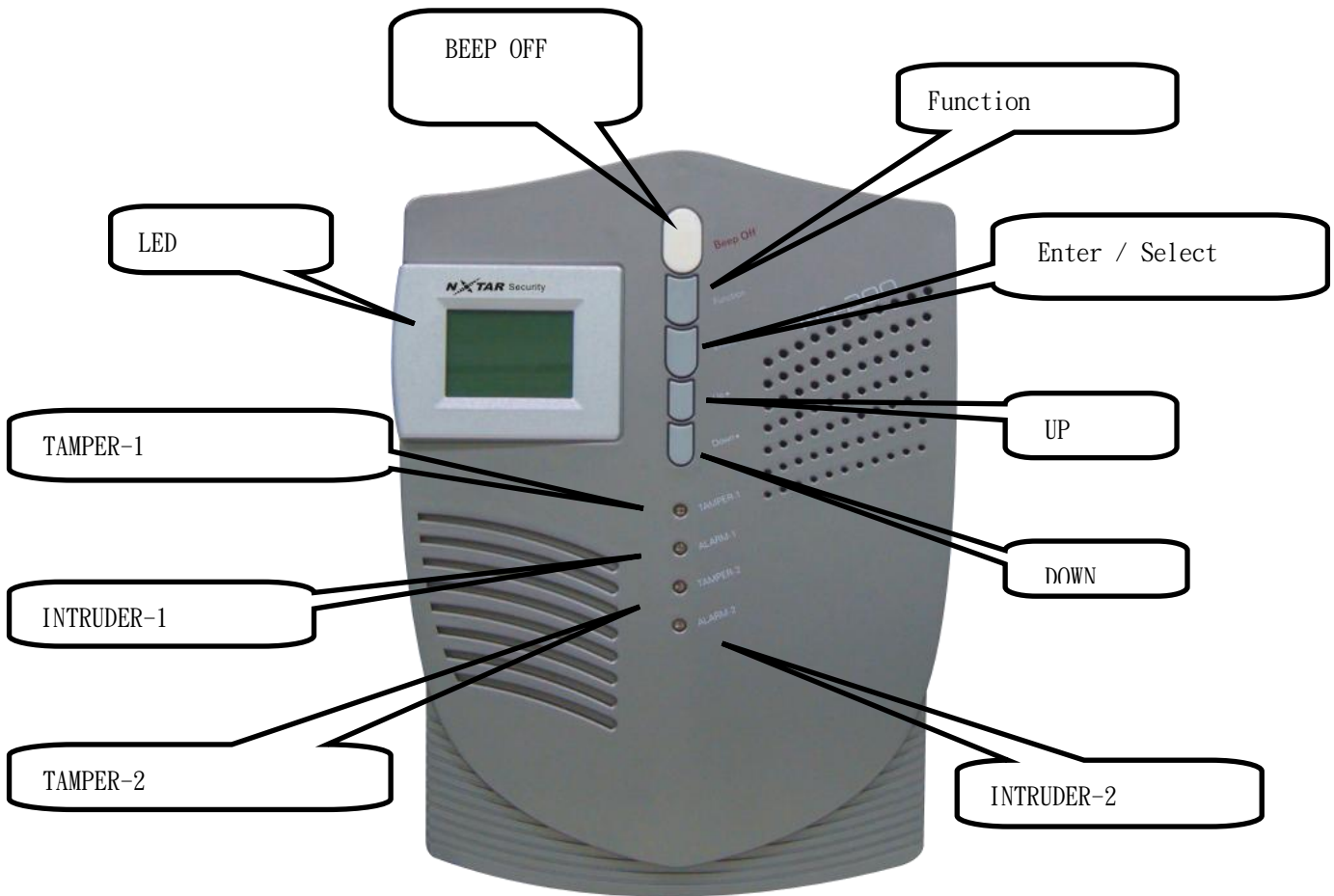
Laser Output / Input

Relay Dry Contact : Integration with CCTV, search lights, siren and etc.

BEEP OFF : Authorized access control flexibility with software use

	NC-11 & CC-11	NC-1T & CC-1T	NC-21 & CC-21	NC-2T & CC-2T
TURNED OFF	closed	closed	closed	closed
TURNED ON	open	open	open	open
TAMPER1	open	closed	open	open
INTRUDER1	closed	open	open	open
TAMPER2	open	open	open	closed
INTRUDER2	open	open	closed	open

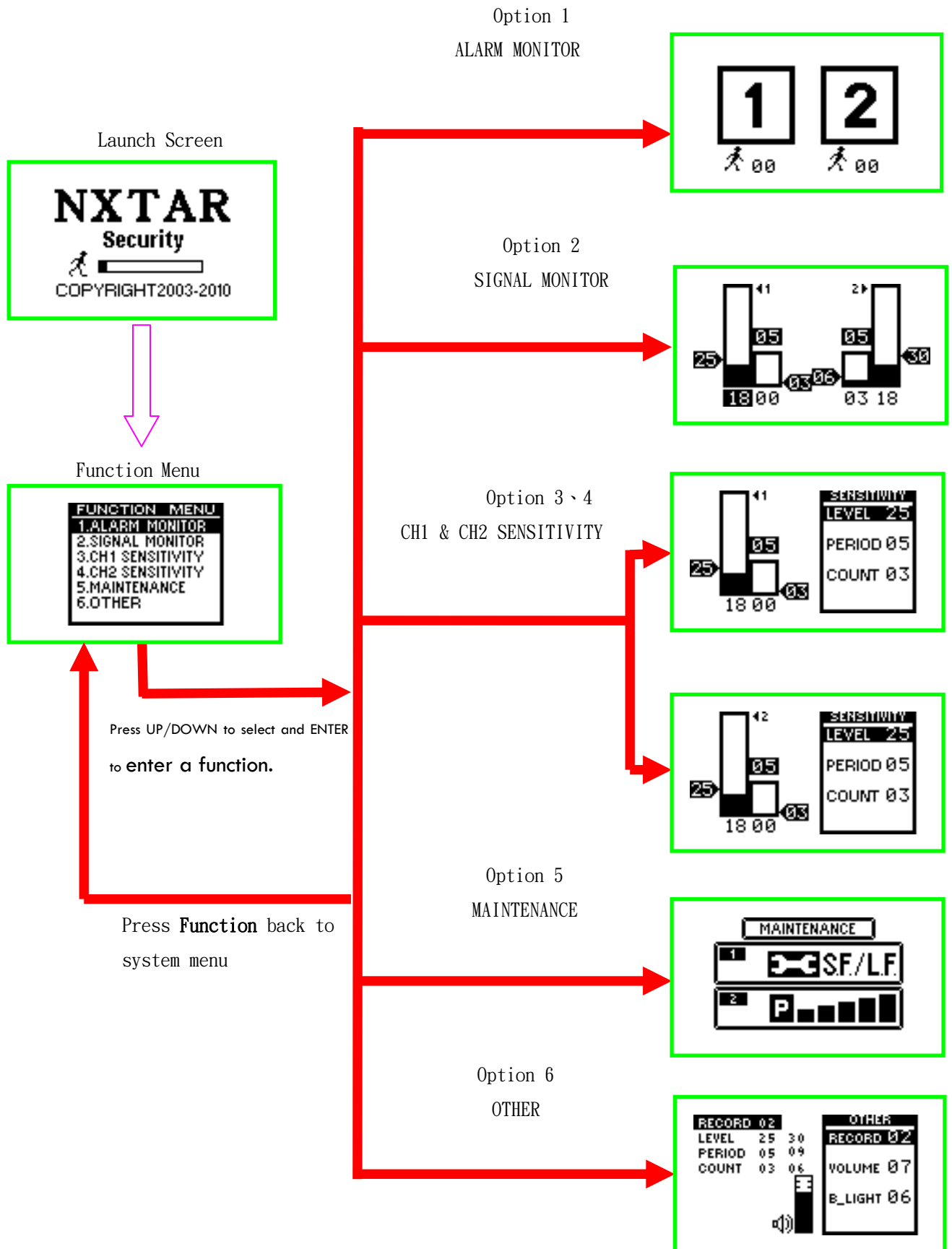
2 · Control Panel :



Control Panel Description

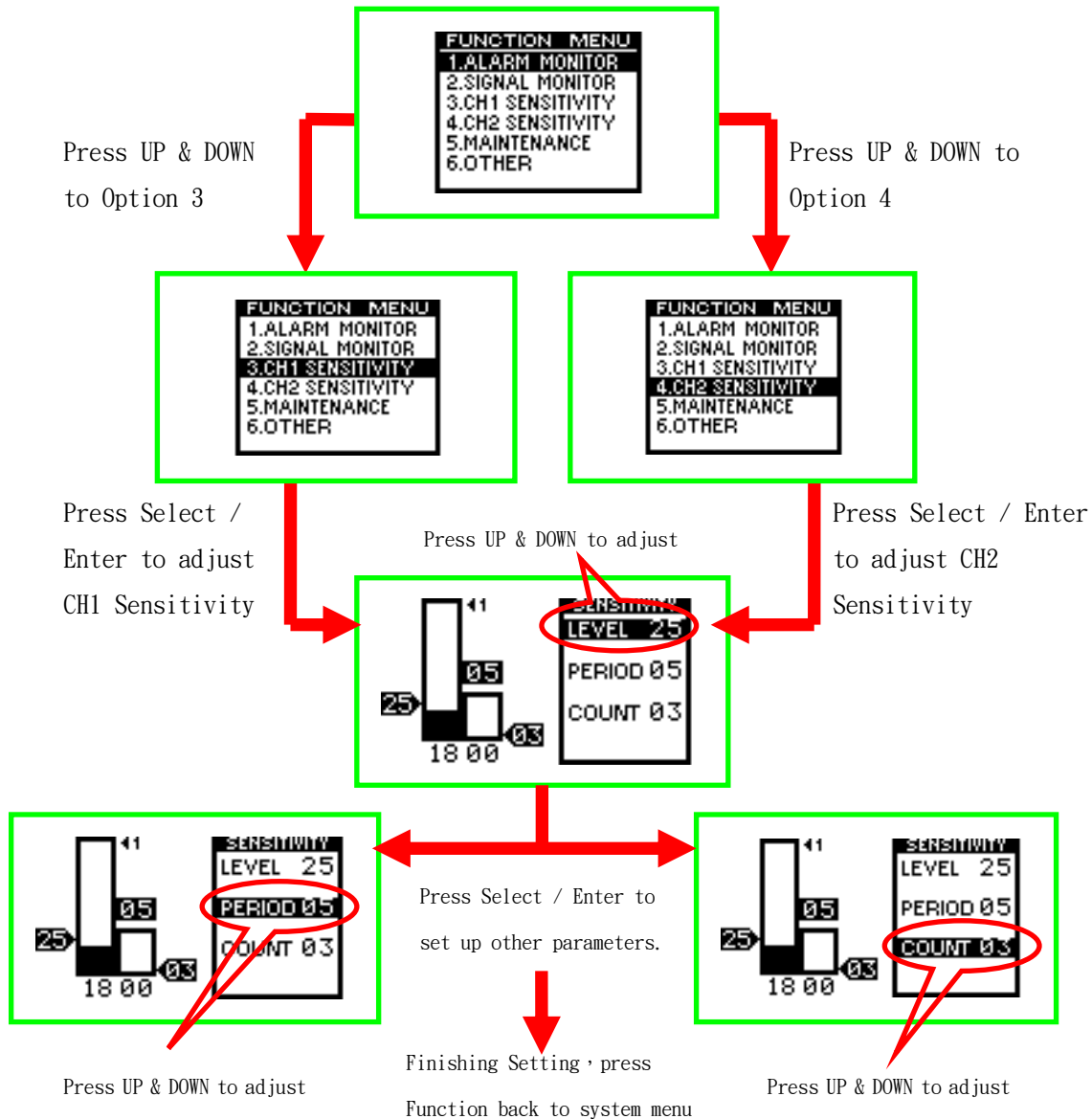
1. FUNCTION : Press Function back to the main menu
2. ENTER / SELECT : In main menu, press the button to enter. In sub menu, press the button to select.
3. UP & DOWN : Press UP & DOWN to adjust the parameters value.
4. BEEP OFF : Disable the alarm manually.
5. INTRUDER LED : When the LED blinks in red, it indicates the pre-warning. When the LED is lit is red , it indicates detection of intrusion.
6. TAMPER LED : When the LED is lit in green, it indicates all detection zones operates normally. When the LED is lit in red, it indicates the tamper of optical path, requiring maintenance.
7. LED Displayer : User can set up parameter and adjust alarm status or signal monitoring here.

3 · System Menu Flow Chart :



4 · Main menu Descriptions :

1. Option 3 · 4 - CH1 & CH2 SENSITIVITY Setting :



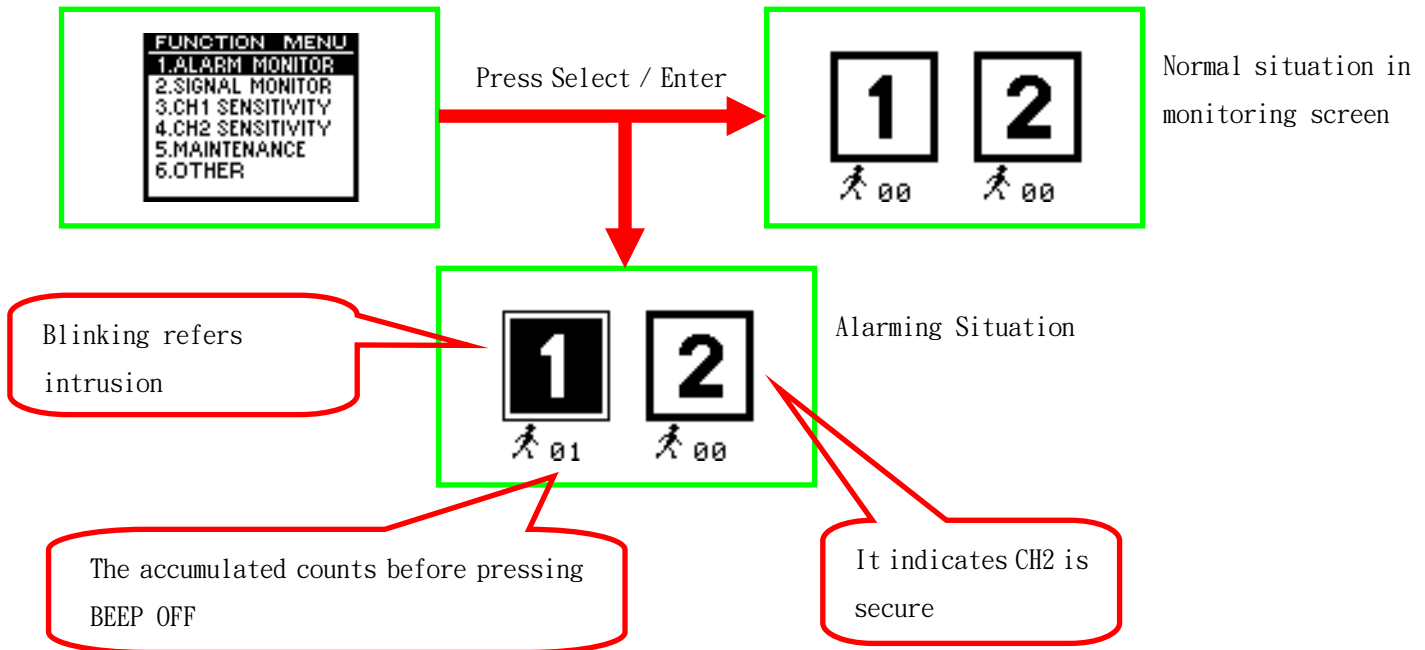
LEVEL : The system yields sensing signal at every mini second. When signal size goes beyond the preset Level value, such event is considered as a *Count*.

PERIOD : It refers to the time (seconds) when the intruder finishes climbing over the fence/detection zone.

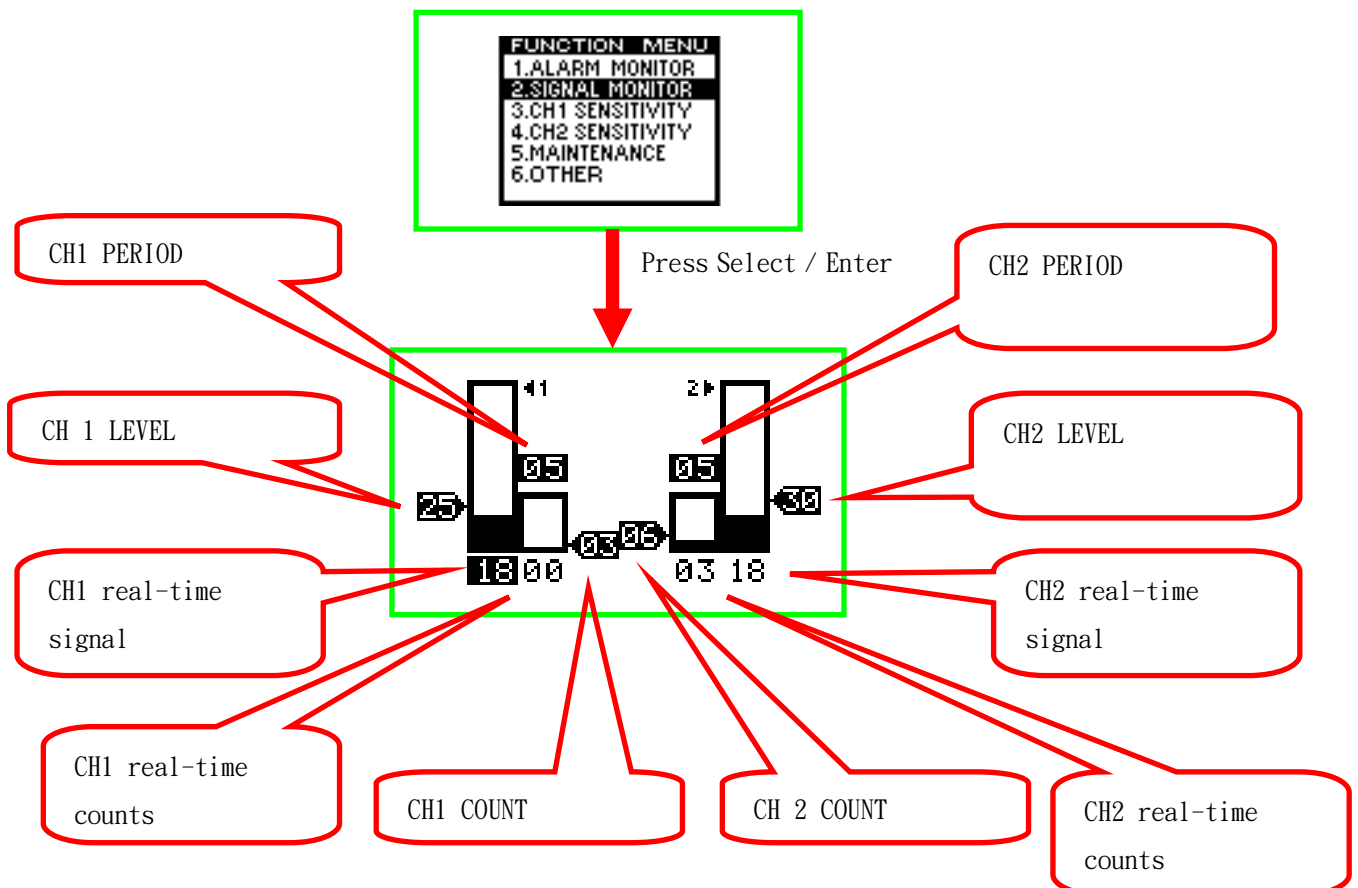
COUNT : It refers to within preset *Period*, how many times that signals go beyond the threshold.

The system issues warning only when above three parameters meet the setting value.

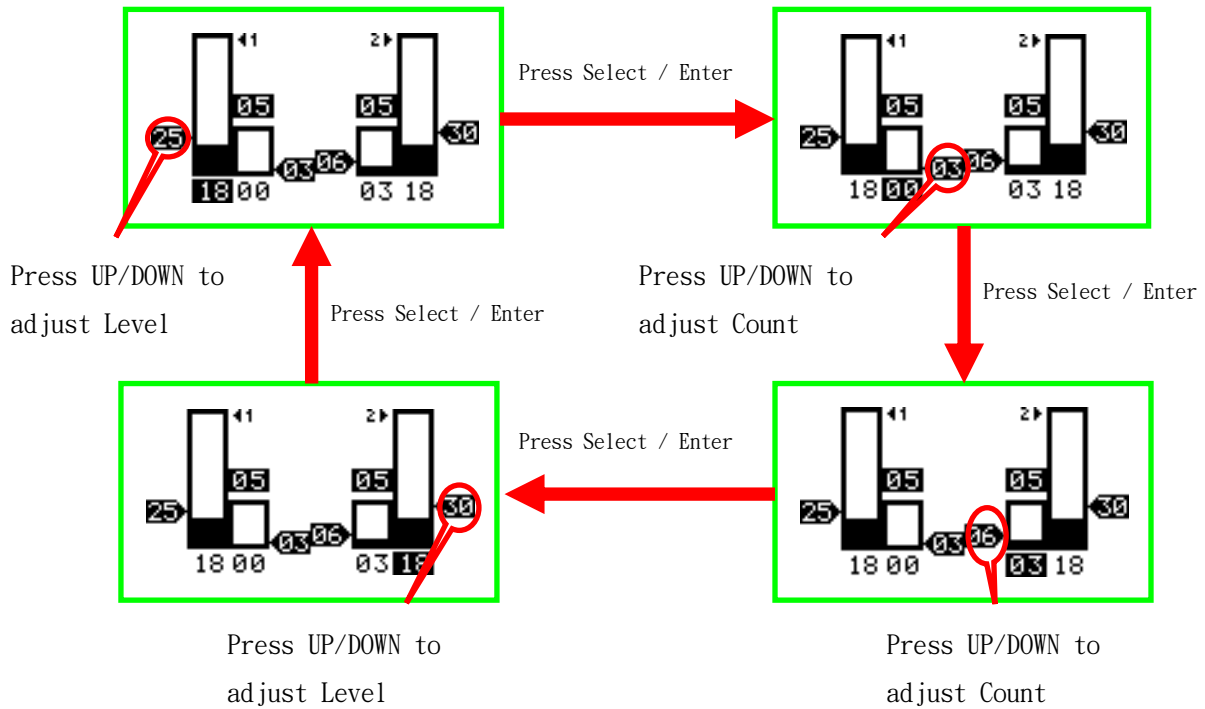
2. Option 1 - ALARM MONITOR :



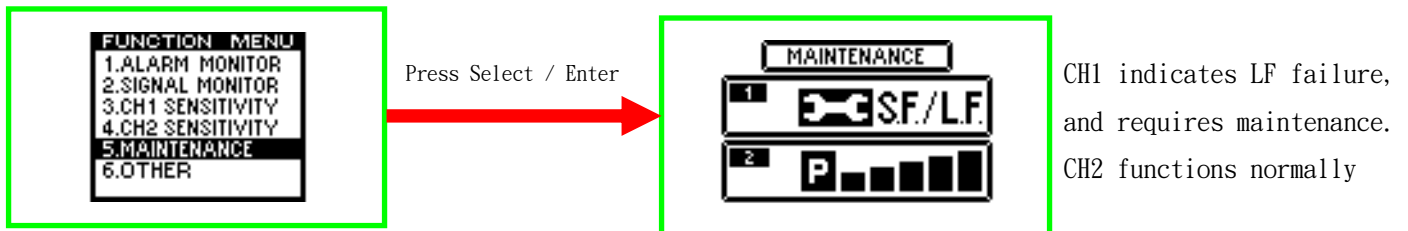
3. Option 2 - SIGNAL MONITOR :



Another parameter setting for adjust 2 zones of detections :



4. Option 5 - MAINTENANCE :



Other diagrams descriptions :



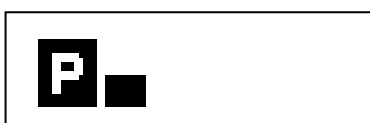
Sensing Fiber Failure



Sensing Fiber and Leading Fiber failures



It indicates the performance of the optical path



When Optical path is decaying, check on the glitch is required.

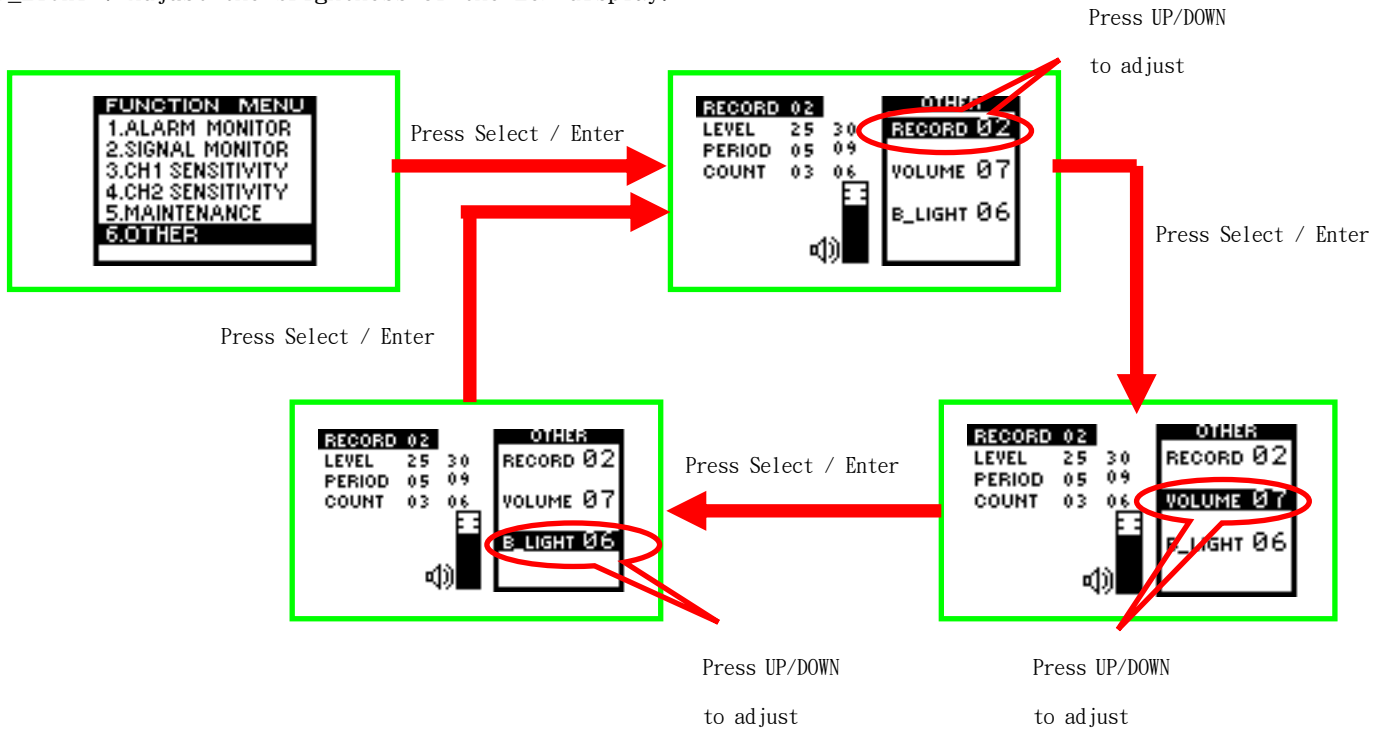
Note : SF(Sensing Fiber)
LF(Leading Fiber)
P(Power)

5. Option 6 - OTHERS :

RECORD : Allows user to record 10 sets of parameters

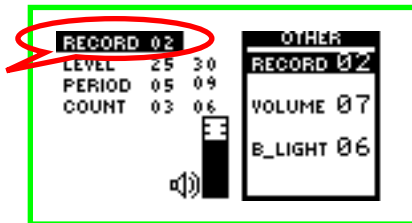
VOLUME : Adjust the sound volume.

B_LIGHT : Adjust the brightness of the LCD display.

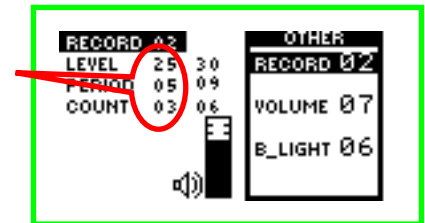


OTHER Descriptions :

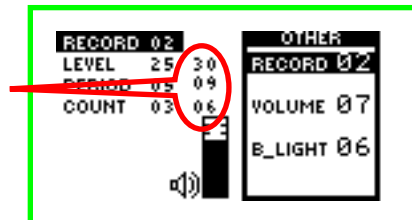
The parameter setting is recorded in second item.



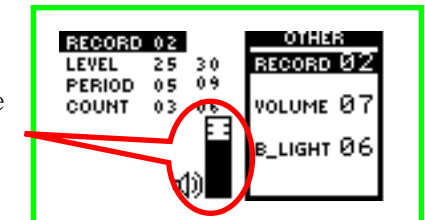
CH1 three parameters setting value



CH2 three parameters setting value



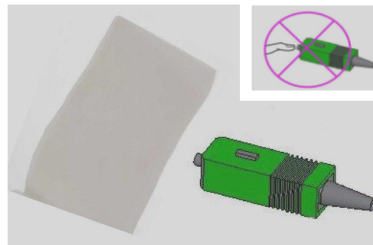
Sound Volume



5 · Connectors Cleaning Cautions :

- 1 · The controller is equipped with laser output. *Direct exposure of the eye to the tip of connectors can caused permanent damage to the user.* °
- 2 · When the system operates , sensor will transmit laser signals. *Therefore, forbid direct exposure of the eye to the connectors.*
- 3 · When TAMPER LED is lit, it means the loss of a given detection zone is too high. In this case, users can do some simple cleaning on the SC connectors
- 4 · Before cleaning SC connectors, switch off the power first. *Avoid the direct eye exposure to the connectors.*
- 5 · Connectors cleaning include laser output and input receivers.
- 6 · If necessary , SJB and TJB connectors need to cleaned as the followings show.

Clean the SC connectors with
99% cleaning alcohol and clean
swipes.



Don' t touch SC connectors with
bare fingers.