

1 DESCRIPTION

SenTag Control unit is the hub in the Sentag alarm system. It monitors all installed hydrophones via cable network or via RF. The control unit also have outputs to other alarms system such as pagers, light or sound. Via the control buttons and display it is possible to set optimal ultrasonic frequency and other important parameters. If there is an alarm the normal procedure is to cancel alarm on the control unit after action has taken.



2 FUNCTIONALITY

Sentag 60004	Standard control unit wired input. (Master)
Sentag 600041	Standard control unit radio input. (Master)
Sentag 600042	Standard control unit wired input. (Slave, more than 8 or area separation)
Sentag 600043	Standard control unit radio input. (Slave, more than 8 or area separation)
Sentag 60004P	Standard control unit wired input. (Master) Pager transmitter
Sentag 600041P	Standard control unit radio input. (Master) Pager transmitter
Sentag 600042P	Standard control unit wired input. (Slave) Pager transmitter
Sentag 600043P	Standard control unit radio input. (Slave) Pager transmitter

2.1 Normal mode

Wired Sentag system hydrophone-recievers are connected in a parallel network to sentTAG control unit 60004 input. If radio output recievers are used Sentag 60041 must be installed. Maximum quantity is 8 hydrophone-recievers addressed 1-8 in setup mode. If project need more recievers than qty8 or if project need separated alarm areas a slave unit has to be installed Sentag 600042/43.

Sentag Control Unit monitors all hydrophones at startup sequence generating a ping-signal in the water checking that hydrophones are active. If not controle unit give a error message. If hydrophone signal is out of range this is also indicated in display at startup sequence.

If an Sentag wristband activate alarm mode the control unit activated relay outputs(3) and give alarm indication (red light and sound). User has to cancel alarm via pressing cancel button (Left2). If wristband is still in alarm mode, controle unit repeat alarm until wristband is removed.

2.2 Debug mode

Control unit can be set in debug mode. This mode shows 4 parameters

1. Self Ping Range, Value of hydrophone range (m) in selftest mode, ideal value is 64.
2. Most common frequency bin, value of listening frequence received from hydrophones, value 1-32
3. Next frequency bins
4. Next frequency bins

2.3 Setup mode

Setup mode is used to adjust settings to optimize listening frequency, receiver id no. and trigger settings. Reference sentag technical manual.

3 TECHNICAL DATA

- Plastic housing with membrane buttons and 125mm display.
- Alarm signal via flashing Green/Red light.
- External power supply: 12VDC
- Backup Battery: 6xAA battery 9V
- Weight: 1350g
- 3 external outputs potential free relay contacts



