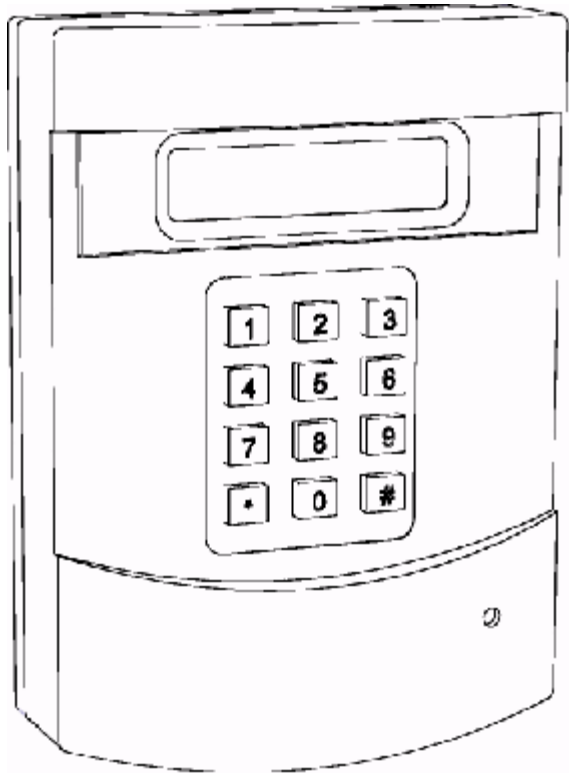


АЛТОНИКА REEF String RS-202 RS-202P

CENTRALIZED CONTROL PANEL

USER GUIDE



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TECHNICAL SPECIFICATION

| | |
|--|---|
| Data capacity: | 600 transmitters |
| Base station input: | RS-485 |
| PC output: | RS-232 |
| Internal log capacity: | 2048 events in power independent memory |
| In-built clock and calendar with backup battery | |
| Power: | from 10 to 15 W |
| Power input: | with indicator light on not more than 300 mA with indicator light off not more than 200 mA |
| Alarm Relay: | up to 72 W with power until 1 A until 2 A at 24 W |
| Working temperatures: | from 0 to +40 °C |
| Humidity: | to 90% at 20 °C, without condensation |
| Size: | 155 x 110 x 42 mm |

NB! Present Manual refers to CCP V0.20 and later versions позднее. Current CCP version is displayed on the LCD indicator at device power-on.

INTRODUCTION

CENTRALIZED SURVEILLANCE SECURITY CONTROL PANEL REEF String RS-202P (further in the text referred to as CCP) processes and outputs user information in centralized radio security systems using radio channel REEF String RS-202 alarm equipment. CCP is installed in the Security Center and is linked to the Base Station REEF String RS-202 (further referred to as BS). Normally, CCP is linked to the Operator's workstation PC with preinstalled system software, although it is capable also to function autonomously.

The site, building or other type of guarded location should be equipped with transmitters of REEF String RS-202 family, which may comprise a turn-key Guard & Fire detection device or may be used as data transmitters from other such devices or security and Fire control panels. After any changes in the guarded location state, transmitters produce coded signal messages to be broadcast via a radio band (such radio signals from a guarded location will be further referred to as Messages). Messaging is based on international Ademco Contact ID protocol.

Base Station receives data and transmits it to CCP through RS-485 port. CCP decodes the received information and visualizes it on in-built LCD or sends it through consecutive port RS-232 to the Operator's PC for further analysis and visualization.

Besides information about on-site events, transmitters send special automatic communication test messages with frequency of approximately one message per minute. CCP records all test messages from all on-site devices and turns on alarm when communication failure or delay occurs.

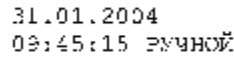
All received messages, communication failure instances, confirmations of message receipt by the Operator, changes of CCP working mode and other commands from the Operator are recorded in the electronic Log in the autonomous memory of CCP and may be viewed whenever is needed.

In the Computer Mode CCP continuously checks communication with the PC and the workstation's integrity. In case PC is powered down or software is hung CCP automatically switches into autonomous (manual) mode. After communication with the computer is restored CCP automatically feeds all logged messages, which have not been transmitted to the computer and returns to PC mode.

BASIC PANEL OPERATION

Monitoring Mode

In Monitoring Mode the CCP's LCD indicator shows current date, time and working mode. The front panel diode lights green, Relay is off.



CCP has 3 operation modes: MANUAL, AUTOMATIC and PC modes.

Manual mode is used for autonomous (non-PC) CCP operation. In this mode all incoming messages are shown on the LCD indicator and require Operator's confirmation of receipt, which is achieved by pressing a button on the CCP keyboard.

Upon receipt of a message the LCD indicator shows numbers of the alarmed Site, Chapter, or code number of the User who armed or disarmed the system, Contact ID message code and brief summary of message contents. Depending on the message type Panic or Warning sound and Light alarms go off. Warning messages trigger the CCP Relay.

Full list of events and Contact ID codes supported by CCP (and by the RS-202 system generally) is provided in the next chapter.

Automatic mode is also used for autonomous CCP operation, but is different from the Manual mode in that non-alarm messages, such as zone resume, arm/disarm and others are not shown on the LCD indicator and do not need to be confirmed manually by the Operator (and are not recorded in the Log), which reduces the Operator's involvement under normal operation conditions with no alarms.

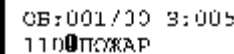
In PC mode the LCD indicator shows only current date and time. No messages are shown on the LCD indicator, no light and sound signaling is turned on, incoming messages do not need to be confirmed by pressing a CCP keyboard button. In this mode Operator works with all incoming messages using only the PC workstation. Nonetheless, the incoming alarm messages trigger the CCP Relay, making it possible to connect the Panel to a sound siren.

Below we review details of operation in Manual and Automatic modes.

Alarm


Alarm messages are shown on LCD indicator in Manual and Automatic modes. The Light diode blinks red, Alarm Sound signal goes off, Relay switches on. Relay may be programmed to turn on at different times as described below in the *OPTIONS MENU* chapter.

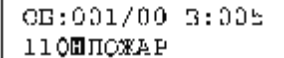
The illustration shows LCD status after the alarm on site #001, chapter #00 (no chapters), zone #005, message code 110, alarm icon 0, alarm type FIRE.



In order to confirm receipt of the alarm message the Operator needs to press button # twice. After the button is press once the Sound signal and the Relay are turned off, the Light diode will light constant red, however, the message will remain on the LCD indicator for the Operator to process the alarm (making a record in the Log or similar). When this is done, the button # needs to be pressed again - the message will be cleared, the Light diode will turn green and CCP will go back to Monitoring mode. Note that for the second time one should wait at least 3 sec after it button # was first pressed. If the button is not pressed the second time, Sound alarm and Relay will turn on after 30 sec.

Zone Restore after Alarm Message

When intruded zone is restored the site transmitter sends a message thereon, which is only shown on CCP in Manual mode. In such cases the LCD indicator shows information similar to an alarm message followed by Normal operation icon .



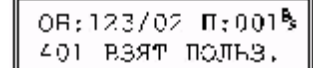
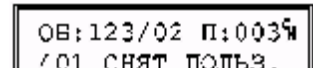
When the restored zone message is received the Light diode turns to constant red, a short sound signal is heard, Relay stays off. The Operator must confirm receipt of the message by pressing # once. After this is done CCP returns to Monitoring mode and the Light diode turns green.



Informative Messages

Beside zone alarm and zone restore messages, on-site devices also transmit informative messages, which do not require immediate response from the Operator or security service in general. These include Arm/Disarm, Test Check, Settings Change and several other similar messages.


Certain informative messages are shown on LCD indicator only in Manual mode, while others are shown both in Manual and Automatic modes (see Contact ID Codes Table). If the message is shown, a short beep sound is played, the Light diode turns to constant red and Relay remains off. When an informative message is shown, it needs to be confirmed by pressing button #.

The picture demonstrates examples of LCD indicator Arm/Disarm messages: site 123, chapter 02, user 001 Armed, message code 401 ARMED BY USER; and a message from the same site 401 DISARMED BY USER, User 003 Disarmed.

Apart from informative Armed/Disarmed messages with the User ID number, there may be other non-alarm informative messages covering non-alarm changes in the system status, i.e., completed test checks, zone routing when armed, operation mode changes etc. Those messages are followed by Alarm  and Restore to Normal  icons, although they are not alarms and do not trigger alarm signals at CCP.

Repeated Messages

Certain detector devices may after a while repeat an event message to CCP. Such repeated messages are shown only in Manual mode similar to Zone Restore messages but followed by icon .

If a message received by CCP has not been confirmed by the Operator (and is therefore shown on the LCD indicator), and CCP receives a new message, the text shown on the LCD indicator will not change. The earliest unconfirmed message will remain shown while the incoming messages will be stored in a special pre-shown Message Queue.

If the Message Queue has at least one alarm message, a continuous sound signal is played and the Light diode blinks red. If the Queue does not have alarm messages, the Light diode will remain constant red, and the sound signal will beep once on receipt of each new message.

Queued messages are confirmed by the Operator by consecutive pressing of # button. Each pressing will clear one message and load the new message to the LCD indicator. When the Queue is empty, the Light diode turns to green, and CCP resumes the Monitoring mode.

NB! Each new message in the Queue may be confirmed not earlier than 3 sec after confirmation of the previous (in order to prevent confirming several messages by one-time pressing). If the button is pressed sooner the command will be ignored by the system.

If the Queue has at least one alarm message (alarm sound signal is played), the first pressing of the button does not delete the message from the LCD, but only turns the sound signal off and turns the Light diode to constant red. Each following pressing of the button will void one next message. If a new message is received during the Queue operation, a short beep sound will be played. If during the Queue operation an alarm message is received, the alarm sound signal will be played, the first pressing of the button will mute the sound but will not delete the message on the LCD indicator.

Communication Failure

If during a certain time period no message or control signal has been received from an on-site transmitter, CCP will turn on the alarm for Communication Failure with this device. Messages may not be transmitted due to a transmitter technical or power source failure, damaged aerial or torn feeder, radio jamming, etc.

Communication failure alarm is shown on CCP by message with Code 355 RADIO LOSS similar to other site alarm messages and requires confirmation. CCP shows a Restore Communication message (Return to Normal 355 RADIO LOSS) after receiving any radio signal from the particular site.

ОБ:001/00 3:000
355 ПТЕРЯ РАДИО

ОБ:001/00 3:000
355 ПТЕРЯ РАДИО

Контрольные сигналы с объекта поступают примерно раз в минуту, поэтому если за 2-3 минуты после включения тревоги связь так и не восстановилась, то можно принять окончательное решение о потере связи.

If communication failure has been due to strong and lengthy radio noises, the alarm goes on for communication failures with several transmitters. After broadcast is restored with those, it may disappear for other transmitters, etc. The noise intensity may be estimated by the number of transmitters with failed broadcast from CCP.

Selecting Communication Tests Interval

The Communications Checks interval applies to all transmitters and can be programmed from menu SETTINGS - CHANNEL CONTROL in the span from 4 to 14 minutes. The best setting depends on the number of sites in the system and on the communication quality. The more transmitters in the system and the worse transmission (due to distance and radio noises), the lengthier the Communications Checks interval should be.

You may want to start with an 8-minutes interval, and optimize the setting after reviewing your first results. The principle factor should be the balance between the speed of communication loss recording and the frequency of false alarms. As was already noted, a communication failure may initially be viewed as a warning signal, while taking steps 2-3 minutes after the alarm is displayed by CCP.

CONTACT ID CODES TABLE

| Contact ID CODE | LCD Indicator message on CCP | Zone or User | Alarm or Informative | Manual and Automatic or only Manual | Events |
|-----------------------------|------------------------------|--------------|----------------------|-------------------------------------|--|
| 000 | НЕИЗВЕСТ . КОД | | т | p&a | Unknown Contact ID Code |
| Medical Alarms Group | | | | | |
| 100 | MED. ALARM | зона | т | p&a | Medical Alarm |
| 101 | MED. CALL | зона | т | p&a | Medical Alarm Pressed |
| 102 | НЕТ МЕД. СООБ | зона | т | p&a | No Medical Message |
| Fire Alarms Group | | | | | |
| 110 | ПОЖАР | зона | т | p&a | Fire Alarm |
| 111 | ДАТЧИК ДЫМА | зона | т | p&a | Smoke Detector Alarm |
| 112 | ВОЗГОРАНИЕ | зона | т | p&a | Fire Alarm |
| 113 | ПРОРЫВ ВОДЫ | зона | т | p&a | Water Intrusion Alarm |
| 114 | ТЕПЛ . ДАТЧИК | зона | т | p&a | Heat Detector Alarm |
| 115 | ПОЖАР . КНОПКА | зона | т | p&a | Fire Button Pressed |
| 116 | ТРУБОПРОВОД | зона | т | p&a | Pipeline Alarm |
| 117 | ДАТЧИК ПЛАМ. | зона | т | p&a | Flame Detector Alarm |
| 118 | ПОЖ . ПРЕДУПР . | зона | т | p&a | Possible Fire Alarm |
| Attack Group | | | | | |
| 120 | ТРЕВ . КНОПКА | зона | т | p&a | Alarm Button Pressed |
| 121 | ПРИНУЖДЕНИЕ | польз. | т | p&a | Forced Arm/Disarm |
| 122 | Т.К. ТИХАЯ | зона | т | p&a | Panic Button Quiet Alarm |
| 123 | Т.К. ГРОМКАЯ | зона | т | p&a | Panic Button Loud Alarm |
| 124 | ПРИНУЖД . ВХОД | зона | т | p&a | Forced Entry Allowed |
| 125 | ПРИНУЖД . ВЫХ . | зона | т | p&a | Forced Exit Allowed |
| Guard Alarms Group | | | | | |
| 130 | ВТОРЖЕНИЕ | зона | т | p&a | Alarm in Guard Zone |
| 131 | ПЕРИМЕТР | зона | т | p&a | Alarm inside Perimeter |
| 132 | ВНУТРЕННЯЯ | зона | т | p&a | Alarm in Interior Zone |
| 133 | 244. ЗОНА | зона | т | p&a | Alarm in 24-Hours Zone |
| 134 | ВХОД /ВЫХОД | зона | т | p&a | Alarm in Entry/Exit Zone |
| 135 | ПРОБЛ./ТРЕВ. | зона | т | p&a | Alarm in Armed-Problem/Disarmed-Problem Zone |
| 136 | НАРУЖНАЯ | зона | т | p&a | Alarm in Exterior Zone |
| 137 | ТАМПЕР | зона | т | p&a | Alarm in Tamper Zone (Box Tampering) |
| 138 | ПРЕДУПРЕЖД . | зона | т | p&a | Possible Alarm |
| 139 | ВЕРИФИКАТОР | зона | т | p&a | Intrusion Verifier |
| General Alarms Group | | | | | |
| 140 | ОБЩ. ТРЕВОГА | зона | т | p&a | General Alarm |
| 141 | ШИНА ОБРЫВ | зона | т | p&a | Address Line (bus) Tear |
| 142 | ШИНА К.З. | зона | т | p&a | Address Line (bus) Short-circuited |
| 143 | ОТКАЗ РАСШ. | зона | т | p&a | Extension Module Malfunction |
| 144 | ТАМПЕР ДАТЧ. | зона | т | p&a | Detector Tampering |
| 145 | ТАМПЕР РАСШ. | зона | т | p&a | Extension Module Tampering |
| 146 | ТИХ . ВТОРЖЕН . | зона | т | p&a | Quiet Alarm in Guard Zone |
| 147 | ОПРОС ДАТЧ. | зона | т | p&a | Detector Test Failure |

| Non-guard alarms Group | | | | | |
|---|----------------|--------|---|-----|------------------------------------|
| 150 | НЕ ОХР. ЗОНА | зона | т | p&a | 24-hour non-guard zone |
| 151 | ДАТЧИК ГАЗА | зона | т | p&a | Gas Detector |
| 152 | ОХЛАЖДЕНИЕ | зона | т | p&a | Refrigerator |
| 153 | ОТОПЛЕНИЕ | зона | т | p&a | Heating |
| 154 | УТЕЧКА ВОДЫ | зона | т | p&a | Water Leakage |
| 155 | ОБРЫВ ФОЛЬГИ | зона | т | p&a | Foil Tear |
| 156 | ПРОБЛ. (СНЯТ) | зона | т | p&a | Problem in Disarmed mode |
| 157 | МАЛО ГАЗА | зона | т | p&a | Low gas in container |
| 158 | ВЫС. ТЕМПЕР. | зона | т | p&a | High Temperature |
| 159 | НИЗК. ТЕМПЕР. | зона | т | p&a | Low Temperature |
| 161 | ВЕНТИЛЯЦИЯ | зона | т | p&a | Ventilation Alarm |
| 162 | УГАРНЫЙ ГАЗ | зона | т | p&a | Carbon Monoxide alarm |
| 163 | УРОВЕНЬ ВОДЫ | зона | т | p&a | Low level in water pool |
| Fire Extinguishing Equipment Group | | | | | |
| 200 | ПОЖАР . КОНТР. | зона | т | p&a | Fire Ext. equipment |
| 201 | ДАВЛЕН. ВОДЫ | зона | т | p&a | Low water pressure |
| 202 | МАЛО СО2 | зона | т | p&a | Low CO2 concentration |
| 203 | ДАТЧ. ВЕНТИЛЯ | зона | т | p&a | Tap Detector |
| 204 | МАЛО ВОДЫ | зона | т | p&a | Low water level |
| 205 | НАСОС ВКЛ. | зона | т | p&a | Pump On |
| 206 | ОТКАЗ НАСОСА | зона | т | p&a | Pump malfunction |
| System Malfunctions Group | | | | | |
| 300 | АВАРИЯ | зона | т | p&a | System malfunction (Accident) |
| 301 | СЕТЬ 220В | зона | т | p&a | No AC/DC Power |
| 302 | АКК. РАЗРЯЖЕН | зона | т | p&a | Low Battery |
| 303 | ОШИБКА RAM | зона | т | p&a | Error RAM control checksum |
| 304 | ОШИБКА ROM | зона | т | p&a | Error ROM control checksum |
| 305 | СБРОС СИСТ. | зона | т | p&a | System Restore to Default |
| 306 | ИЗМ. ПРОГРАММ | зона | т | p&a | Re-programming Panel |
| 307 | ОШИБКА ТЕСТА | зона | т | p&a | Self-test Failure |
| 308 | СИСТ. ОТКЛЮЧ. | зона | т | p&a | System Power Off |
| 309 | АКК. НЕИСПР. | зона | т | p&a | Battery Test Failure |
| 310 | ЗАЗЕМЛЕНИЕ | зона | т | p&a | Ground Contact Failure |
| 311 | АКК.ОТСУТСТВ | зона | т | p&a | No or Bad Battery |
| 312 | ПЕРЕГРУЗК.БП | зона | т | p&a | Power Source Strain |
| 313 | ИНЖ.СБРОС | польз. | и | p&a | Programmer Reload |
| Signal or Relay Malfunctions Group | | | | | |
| 320 | СИРЕНА/ РЕЛЕ | зона | т | p&a | Bad Siren/Relay |
| 321 | СИРЕНА 1 | зона | т | p&a | Bad Siren 1 |
| 322 | СИРЕНА 2 | зона | т | p&a | Bad Siren 2 |
| 323 | РЕЛЕ "ТРЕВОГА" | зона | т | p&a | Bad Alarm Relay |
| 324 | РЕЛЕ "НЕИСПР" | зона | т | p&a | Bad Malfunction Relay |
| 325 | РЕЛЕ "РЕВЕРС" | зона | т | p&a | Bad Reverse Relay |
| 326 | ОПОВЕЩАТЕЛЬ3 | зона | т | p&a | Bad Signal №3 |
| 327 | ОПОВЕЩАТЕЛЬ4 | зона | т | p&a | Bad Signal №4 |
| Periphery Malfunctions Group | | | | | |
| 330 | ПЕРИФЕРИЯ | зона | т | p&a | System Periphery Malfunction |
| 331 | ШИНА ОБРЫВ | зона | т | p&a | Address Line (Bus) Tear |
| 332 | ШИНА К.З. | зона | т | p&a | Address Line (Bus) Short-circuited |
| 333 | РАСШИРИТЕЛЬ | зона | т | p&a | Extension Module Malfunction |
| 334 | ПОВТОРИТЕЛЬ | зона | т | p&a | Repeater Malfunction |
| 335 | НЕТ БУМАГИ | зона | т | p&a | No Paper in Printer |
| 336 | ПРИНТЕР | зона | т | p&a | No Link to Printer |

| 337 | =ПИТ . РАСШ . | зона | т | p&a | No AC power to Extension Module |
|--|--------------------|--------|---|-----|---|
| 338 | БАТАРЕЯ РАСШ | зона | т | p&a | Extension Module Battery Flat |
| 339 | RESET РАСШ. | зона | т | p&a | External Module Reload |
| 341 | ТАМПЕР РАСШ. | зона | т | p&a | External Module Intrusion |
| 342 | ПЕР . ПИТ . РАСШ | зона | т | p&a | No AC/DC power to Extension Module |
| 343 | ТЕСТ РАСШ. | зона | т | p&a | External Module Self Test Failure |
| 344 | РАДИОПОМЕХИ | зона | т | p&a | Radio Bias Identified |
| Communicator Malfunctions Group | | | | | |
| 350 | НЕТ СВЯЗИ | зона | т | p&a | No Link to Monitoring Station |
| 351 | ТФ ЛИНИЯ 1 | зона | т | p&a | Bad Telephone Line 1 |
| 352 | ТФ ЛИНИЯ 2 | зона | т | p&a | Bad Telephone Line 2 |
| 353 | ПЕРЕДАТЧИК | зона | т | p&a | Bad Log Distance Transmitter |
| 354 | СООБ.НЕ ДОСТ | зона | т | p&a | Message Failure |
| 355 | ПОТЕРЯ РАДИО | зона | т | p&a | Long Distance Communication Loss |
| 356 | ПОТЕРЯ ОПРОС | зона | т | p&a | Loss of Central Station Query |
| 357 | КСВ АНТЕННЫ | зона | т | p&a | KCB Aerial of Long Distance Transmitter |
| Contour Malfunctions Group | | | | | |
| 370 | ШЛЕЙФ НЕИСПР | зона | т | p&a | Bad Contour |
| 371 | ШЛЕЙФ ОБРЫВ | зона | т | p&a | Contour Tear |
| 372 | ШЛЕЙФ К.З. | зона | т | p&a | Contour Short-circuited |
| 373 | ПОЖ. ШЛ. НЕИСП | зона | т | p&a | Bad Fire Contour |
| 374 | ТРЕВ.ПРИ ВЫХ | зона | т | p&a | Alarm at Exit (Exit after Arming) |
| 375 | ШЛ . Т . К . НЕИСП | зона | т | p&a | Bad Panic Zone |
| 376 | ШЛЕЙФ HOLDUP | зона | т | p&a | Bad Hold-Up Zone |
| 377 | ПЕРЕМЕЖ.НЕИС | зона | т | p&a | Alternating Malfunction |
| 378 | СВЯЗАН . ЗОНЫ | зона | т | p&a | Bad Connected Zones |
| Detector Problems Group | | | | | |
| 380 | ПРОБЛЕМА | зона | т | p&a | Problem or Malfunction |
| 381 | РАДИОДАТЧИК | зона | т | p&a | Radio Detector Control Loss |
| 382 | МОДУЛЬ РАСШ. | зона | т | p&a | Extension Module Control Loss |
| 383 | ТАМПЕР ДАТЧ. | зона | т | p&a | Detector Tampering |
| 384 | БАТАРЕЯ ДАТ. | зона | т | p&a | Radio Detector Battery Flat |
| 385 | ДЫМ. ДАТ . ВЫС . | зона | т | p&a | Smoke Detector – high sensitivity |
| 386 | ДЫМ. ДАТ . НИЗ К | зона | т | p&a | Smoke Detector – low sensitivity |
| 387 | ОХР . ДАТ . ВЫС . | зона | т | p&a | Guard Detector – high sensitivity |
| 388 | ОХР . ДАТ . НИЗК | зона | т | p&a | Guard Detector – low sensitivity |
| 389 | ДАТ . САМОДИАГ | зона | т | p&a | Detector Self Diagnostics Failure |
| 391 | ТАЙМЕР ДАТЧ. | зона | т | p&a | Detector Timer Failure |
| 392 | ДРЕЙФ ЧАСТОТ | зона | т | p&a | Band Loss Compensation Failure |
| 393 | ТЕХ . ОБСЛУЖ . | зона | т | p&a | Maintenance Signal |
| Arm/Disarm Group | | | | | |
| 400 | СНЯТ | польз. | и | Р | Arm/Disarm |
| | ВЗЯТ | польз. | и | Р | |
| 401 | СНЯТ ПОЛЬЗ. | польз. | и | Р | User Arm/Disarm |
| | ВЗЯТ ПОЛЬЗ. | польз. | и | Р | |
| 402 | СНЯТ РАЗДЕЛ | польз. | и | Р | Chapter Arm/Disarm |
| | ВЗЯТ РАЗДЕЛ | польз. | и | Р | |
| 403 | СНЯТ АВТОМАТ | польз. | и | Р | Automatic Arm/Disarm |
| | ВЗЯТ АВТОМАТ | польз. | и | Р | |
| 404 | НЕ СНЯТ ВОВР | польз. | т | p&a | Fixed Time Arm/Disarm |

| | | | | | |
|-----|-----------------------------|--------|---|-----|--|
| | НЕ ВЗЯТ ВОВР | польз. | т | р&а | |
| 405 | ОТЛОЖ .СНЯТИЕ | польз. | т | р&а | Postponed Arm/Disarm |
| | ОТЛОЖ .ВЗЯТИЕ | польз. | т | р&а | |
| 406 | СБРОС ТРЕВОГ | польз. | и | р&а | Alarm Cancel by User (Disarm) |
| | СБРОС ТРЕВОГ | польз. | и | р&а | Alarm Cancel by User (Arm) |
| 407 | СНЯТ С ПЦН | польз. | и | р | Arm/Disarm from Security Center |
| | ВЗЯТ С ПЦН | польз. | и | р | |
| 408 | СНЯТ БЫСТРО | польз. | и | р | Fast Arm/Disarm |
| | ВЗЯТ БЫСТРО | польз. | и | р | |
| 409 | СНЯТ КЛЮЧОМ | польз. | и | р | Arm/Disarm with Key (Switch)) |
| | ВЗЯТ КЛЮЧОМ | польз. | и | р | |
| 441 | СНЯТ С ПОЛЬЗ | польз. | и | р | Arm/Disarm with persons present |
| | ВЗЯТ С ПОЛЬЗ | польз. | и | р | Arm with persons present |
| 442 | СНЯТ С ПОЛЬЗ | | и | р | Disarm after Key Arming with persons present |
| | ВЗЯТ С ПОЛЬЗ | польз. | и | р | Key Arming with persons present |
| 450 | СБОЙ ПРИ СН. | польз. | т | р&а | Arm/Disarm failure |
| | СБОЙ ПРИ ВЗ. | польз. | т | р&а | |
| 451 | СНЯТ РАНО | польз. | т | р&а | Arm/Disarm before set time |
| | ВЗЯТ РАНО | польз. | т | р&а | |
| 452 | СНЯТ ПОЗДНО | польз. | т | р&а | Arm/Disarm after set time |
| | ВЗЯТ ПОЗДНО | польз. | т | р&а | |
| 453 | НЕ СНЯТ ВОВР | польз. | т | р&а | No Disarm at Set Time |
| 454 | НЕ ВЗЯТ ВОВР | польз. | т | р&а | No Arm at Set Time |
| 455 | НЕУД . АВТОВЗ . | польз. | т | р&а | Automatic Arm Failure |
| 456 | ВЗЯТ ЧАСТИЧН | польз. | и | р&а | Partial Arm |
| 457 | ВЫХ.ПОСЛЕ ВЗ | польз. | т | р&а | Error: Exit after Arm Delay |
| 458 | ПОЛЬЗ. В ПОМ. | польз. | и | р&а | User on Premises |
| 459 | ВЗЯТ НЕДАВНО | польз. | и | р&а | Alarm after Recent Arm |
| 461 | НЕПРАВ . КОД | зона | и | р&а | Incorrect Code |
| 462 | ПРАВ . КОД | польз. | и | Р | Correct Code |
| 463 | ПЕРЕВЗЯТИЕ | польз. | и | р&а | Re-arming after Alarm |
| 464 | ВРЕМ.АВТОВЗ+ | польз. | и | р&а | Automatic Arm Time Increased |
| 465 | Т.К. СБРОШЕНА | зона | и | р&а | Panic Alarm Cancel |
| 466 | СЕРВИС СНЯЛ | польз. | и | р&а | Service Disarmed Guard |
| | СЕРВИС ВЗЯЛ | польз. | и | р&а | Service Armed Guard |
| | Remote Control Group | | | | |
| 411 | ЗАПРОС С ПЦН | польз. | и | р&а | Response Call Query |
| 412 | ЗАГР . С ПЦН | польз. | и | р&а | CCP Load Success |
| 413 | НЕУДАЧ . ЗАГР . | польз. | и | р&а | CCP Load Failure |
| 414 | ОТКЛЮЧ . СИСТ . | польз. | и | р&а | System Stop Command |
| 415 | ОТКЛЮЧ.КОММ. | польз. | и | р&а | Operator Stop Command |
| 416 | ВЫГР . НА ПЦН | зона | и | р&а | Unload to CCP Success |
| | Access Control Group | | | | |
| 421 | ОТКАЗ ДОСТУП | польз. | и | р&а | User Access Denied |
| 422 | РАЗР . ДОСТУП | польз. | и | р&а | User Access Message |
| 423 | ПРИН . ДОСТУП | зона | т | р&а | Forced Access |
| 424 | ВЫХОД ЗАПР. | польз. | и | р&а | Exit Forbidden |
| 425 | ВЫХОД РАЗР. | польз. | и | р&а | Exit Allowed |
| 426 | ДВЕРЬ РАЗБЛ. | зона | и | р&а | Open Door Blocked |
| 427 | ДАТ . СОСТ . ДВ . | зона | т | р&а | Bad Door Detector |
| 428 | УСТ . ЗАПР . ВЫХ | зона | т | р&а | Exit Permit Device Failure |
| 429 | ПРОГР.КД НАЧ | польз. | и | р&а | Access Programming Started |
| 430 | ПРОГР.КД ЗАК | польз. | и | р&а | Access Programming Completed |
| 431 | УРОВ.КД ИЗМ. | польз. | и | р&а | Access Level Altered |

| | | | | | |
|-----|--|--------|---|-----|--|
| 432 | РЕЛЕ НЕ С РАБ | зона | и | р&а | Access Relay Failed |
| 433 | ЗАПР . ВХ . ШУНТ | зона | т | р&а | Exit Query Blocked |
| 434 | ДВ . ДАТЧ . ШУНТ | зона | т | р&а | Door Detector Blocked |
| | Turn Off System Processes Group | | | | |
| 501 | СЧИТ . ОТКЛЮЧ . | зона | и | р&а | Access Control Reader Off |
| | Turn Off Signals or Relay | | | | |
| 520 | ЗВ/РЕЛЕ ОТКЛ | зона | и | р&а | Siren/Relay Off |
| 521 | СИРЕНА1 ОТКЛ | зона | и | р&а | Siren 1 Off |
| 522 | СИРЕНА2 ОТКЛ | зона | и | р&а | Siren 2 Off |
| 523 | РЕЛЕ"ТР"ОТКЛ | зона | и | р&а | Alarm Relay Off |
| 524 | РЕЛЕ"НИ"ОТКЛ | зона | и | р&а | Failure Relay Off |
| 525 | РЕЛЕ"РВ"ОТКЛ | зона | и | р&а | Reverse Relay Off |
| 526 | ОПОВЕЩ3 ОТКЛ | зона | и | р&а | Signal №3 Off |
| 527 | ОПОВЕЩ4 ОТКЛ | зона | и | р&а | Signal №4 Off |
| | Turn Off Periphery Group | | | | |
| 531 | МОДУЛЬ ДОБАВ | зона | и | р&а | Module Added |
| 532 | МОДУЛЬ УДАЛ. | зона | и | р&а | Module Removed |
| | Turn Off Communicators Group | | | | |
| 551 | ТФ КОММ.ОТКЛ | зона | и | р&а | Telephone Communicator Off |
| 552 | РПД ОТКЛЮЧЕН | зона | и | р&а | Long Distance Radio Transmitter Off |
| 553 | УД . ЗАГР . ОТКЛ | зона | и | р&а | Remote Load/Unload Off |
| | Skip Zones/Chapters at Arming Group | | | | |
| 570 | ОБХОД ЗОНЫ | зона | и | р&а | Skip Zone At Arming |
| 571 | ОБХ . ПОЖ . ЗОНЫ | зона | и | р&а | Skip Fire Zone |
| 572 | ОБХ.24Ч ЗОНЫ | зона | и | р&а | Skip 24-hour Zone |
| 573 | ОБХ . ОХР . ЗОНЫ | зона | и | р&а | Skip Guard Zone |
| 574 | ОБХ . РАЗДЕЛА | польз. | и | р&а | Skip Chapter |
| 575 | ОБХ.ПЕРЕМЕЖ. | зона | и | р&а | Skip Zone with Alternating Malfunction |
| 576 | ЗОН.ДОСТ.ШУН | зона | и | р&а | Zone of Access Blocking |
| 577 | ОБХ.ЗОН ДОСТ | зона | и | р&а | Skip Access Zone |
| | Tests Group | | | | |
| 601 | РУЧНОЙ ТЕСТ | зона | и | р&а | Manual Test |
| 602 | ПЕРИОД . ТЕСТ | зона | и | р&а | Periodic Text Message |
| 603 | РАДИО ТЕСТ | зона | и | р&а | Periodic Radio Transmission |
| 604 | ПОЖАРН . ТЕСТ | польз. | и | р&а | Fire Test |
| 605 | ОТПР . СТАТУСА | зона | и | р&а | Status Sent |
| 606 | ГОЛОС . СВЯЗЬ | зона | и | р&а | Voice Communication |
| 607 | ТЕСТ-ПРОХОД | польз. | и | р&а | Test List Detectors Mode |
| 608 | ТЕСТ->НЕИСПР | зона | т | р&а | Periodic Test Found a Problem |
| 609 | ВИДЕОПЕРЕДАЧ | зона | и | р&а | Video Transmission Activated |
| 611 | ТОЧКА ПРОВ. | зона | и | р&а | Control Point Tested - OK |
| 612 | ТОЧК.НЕ ПРОВ | зона | и | р&а | Control Point Not Tested |
| 613 | ОХР . ЗОН . ПРОВ | зона | и | р&а | Guard Zone Checked in Test List Mode |
| 614 | ПОЖ . ЗОН . ПРОВ | зона | и | р&а | Fire Zone Checked in Test List Mode |
| 615 | Т.К. ПРОВЕР . | зона | и | р&а | Panic Alarm Checked in Test List Mode |
| 616 | ВЫЗОВ СЕРВИС | зона | и | р&а | Service Application Called |
| | Events Log Group | | | | |
| 621 | ЖУРНАЛ ОЧИЩ | зона | и | р&а | Events Log Erased |
| 622 | ЖУРНАЛ 50% | зона | и | р&а | Events Log is 50% Full |

| | | | | | |
|--------------------------------|-----------------|--------|---|-----|----------------------------------|
| 623 | ЖУРНАЛ 90% | зона | и | p&a | Events Log is 90% Full |
| 624 | ЖУРНАЛ 100% | зона | т | p&a | Events Log Full |
| 625 | ВРЕМ/ДАТ ИЗМ | польз. | и | p&a | System Date/Time Changed |
| 626 | ЧАСЫ НЕКОРР. | зона | и | p&a | System Date/Time Not Valid |
| 627 | ПРОГР . НАЧАТО | зона | и | p&a | Programming Mode Entry |
| 628 | ПРОГР . ЗАКОНЧ | зона | и | p&a | Programming Mode Exit |
| 629 | 324 МАРКЕР | зона | и | p&a | 32-hur Marker in Events Log |
| Schedules Group | | | | | |
| 630 | РАСПИС . ИЗМ . | зона | и | p&a | Schedule Changed |
| 631 | СБОИ РАСПИС. | зона | и | p&a | Impossible to Change Schedule |
| 632 | РАСП.КД ИЗМ. | зона | и | p&a | Access Control Schedule Changed |
| Personnel Control Group | | | | | |
| 641 | КОНТР . ОХРАНЫ | зона | т | p&a | Security Service Control Problem |
| 642 | КОНТР . КЛЮЧЕЙ | польз. | т | p&a | Universal Kay Control |
| Misc. Group | | | | | |
| 651 | РЕЗЕРВ | зона | т | p&a | Reserved Event |
| 652 | РЕЗЕРВ | польз. | т | p&a | Reserved Event |
| 653 | РЕЗЕРВ | польз. | т | p&a | Reserved Event |
| 654 | СИСТ . НЕ АКТИВ | зона | и | p&a | System Inactive |
| CCP System Events Group | | | | | |
| 949 | ВХ.БУФ.ПЕРЕП | зона | х | х | Overuse of CCP Clipboard |
| 950 | ОШИБКА НА ВХ | зона | х | х | Data Error from BS |
| 951 | ИЗВ . ПРИНЯТО | зона | х | х | Message Received by Operator |
| 952 | ОТКЛ.НА ПЦН | зона | х | х | Transmitter Not Connected to CCP |
| 953 | ПОДКЛ.НА ПЦН | зона | х | х | Transmitter Connected to CCP |
| 954 | УДАЛ. НА ПЦН | зона | х | х | Transmitter Removed from CCP |
| 955 | ОБУЧ.НА ПЦН | зона | х | х | Transmitter Trained by CCP |

Notes

1. Events may have either ZONE or USER attribute.

Events with ZONE attribute are shown with guard zone number and INTRUSION **И** or Restored to Normal **Н** icons.

Events with USER attribute are displayed with the User number and a 'Disarmed' or 'Armed' icons.

For some events with USER attribute the LCD message text is different for 'Armed' and 'Disarmed' states (e.g., event 400). For the rest of the events with USER attribute the text of the message displayed on the LCD is the same for Armed and for Disarmed state (e.g., event 422). All events may be displayed with attribute REPEAT **П**

2. Icon **т** in the table indicates an alarm event – if such event is received with attribute INTRUSION CCP sets the Alarm off. Icon **И** indicates and informative event and its receipt does not set the Alarm off.

Icon **p&a** indicates that the particular event with attribute INTRUSION, ARMED or DISARMED is displayed on the LCD indicator of CCP both in the Manual and the Automatic modes. Icon **p** indicates that this event is displayed on the LCD only in the Manual mode. All events with attribute RESTORE or REPEAT are displayed on the LCD only in the Manual mode. Icon **X** indicates that a particular event is an internal system event of CCP and is not displayed on the LCD at all, but only on the Operator's computer.

SERVICE MODE AND MENU SYSTEM

One may connect new sites, view internal event log, change the system settings of CCP and perform other operations from the keyboard using the Service mode Menu system. All Menu items are backed by pop-up usage tips, so that all major functions can be reliably performed without resorting to the User Manual after even a modest experience with the system.

Managing Keys

The following keys are used as the Managing Keys while working with the Menu:

- enter menu item, confirm selected options, in some menus functions as confirm and scroll down to next in the list (similar to key **Enter**)

⏪ – return to previous Menu level (similar to key **Esc**)

w - scroll p the list or Menu items (similar to key **⇐**)

z – scroll down the list of Menu items (similar to key **⇓**)

Entering the Service mode and returning to the Monitoring mode

To enter Service mode, press keys **⏪** + # simultaneously.

To finish operations keep pressing **⏪** until CCP returns to the Monitoring mode.

Note. If, when in the Service mode, CCP receives a message which must be displayed, CCP automatically switches to the Monitoring mode, displays the received message, play a sound signal, wait for the Operator's confirmation, and after this will return to the Service mode Menu where it was before it received the message.

First Level Menu Items

After entering the Service mode you can select one of the first level menu items: VIEW, SITES or SETTINGS.

ПРОСМОТР

ОБЪЕКТЫ

УСТАНОВКИ
(выбор: 3, 6 и #)

The first line shows the current menu item, while the second line contains a tip as to how the item is selected. You can scroll between items by pressing keys **w** or **z** ('up' or 'down'); to enter the needed menu press #.

Note. All Menu items are selected likewise. No further guidelines are provided for selecting Menu items.

VIEW MENU

This menu allows access to the latest message from any site and to the event log from the power autonomous memory of CCP, as well as testing radio transmission level from the connected sites.

LATEST MESSAGE

This command lets one view the latest site messages. A tip is displayed when the command is entered and the first in order (the smallest) number of a site registered in the memory of CCP. Enter the three-digit site number which you want to view and press '#'. You may also start by pressing '#' if you want to view messages from the site offered by default.

```
ПОСЛ. ИЗВ. ОБ. 001
(номер и #)
ОБ:001/00 3:005
110 i ПОЖАР
```

*Note. When entering LAST MESSAGE with no registered sites present, message **no sites** will be displayed. If a non-existent site number is entered, message **! number free** will be displayed. Similar tests with corresponding warning messages are performed with all CCP menu items.*

The LCD indicator will display the latest message from the said site in the format similar to that as displayed in the Monitoring mode. If '#' is pressed again then the latest message from the site next in the line will be displayed and further on. It should be noted that after the message from the latest registered site a message from the first site will be displayed. Pressing '*' returns the user to the menu item start, where another site number may be selected. Pressing '*' once again returns the user to the VIEW menu.

SIGNAL STRENGTH

This menu allows testing current average strength of the signal from any transmitter in the system. The maximal level of signal transmission is displayed, including the communication test signals received by CCP during 20 minutes before. The displayed index is renewed every 20 min. If no signals are received for 20 minutes, the index displayed is annulled to zero.

ATTENTION! If you need an immediate evaluation of the signal strength, for instance during the aerial installation, you should use Menu SITES - TEST SITE (below).

When you enter the Menu item a tip appears and the first (the least) number of a CCP memory registered site. Enter the three-digit site number for which you wish to view the signal strength parameter, and press '#' or just press '#' if you agree with the system-offered choice.

```
УРОВ. ОБЪЕКТА
001 (номер и #)
```

The LCD will display the particular site signal strength level in units from 0 to 99. Levels below 20 indicate a weak signal, levels from 20 to 30 – acceptable signal, from 40 to 60 – optimal, and over 60 – high quality communication.

```
ОБЪЕКТ: 001
УРОВЕНЬ: 70
```

Pressing '#' once will display the signal from the next memory-registered site, and so on.

SITE PROTOCOL

This Menu item lets you view the event log for any particular site from the autonomous power CCP memory.

When you enter the item a tip appears and the first (the least) site number is displayed. You may enter the desired site number and press '#' or immediately '#' to view the latest site event. Events mean all site messages, communication loss and Operator's confirmations of the incoming messages.

```
ПРОТОКОЛ ОБ.001
(номер и #)
```

The LCD will display date and time of the event, site number, chapter, zone or user, code and icon of the event. No detailed interpretations are displayed due to lack of space on the LCD indicator, however, it is easy to determine the kind of event that has taken place using the Contact ID Code Table. To view earlier events (or scroll up the protocol), press **1**. To view a later event (scroll down the protocol), press **0**.

```
01.02 12:15
! меню ОБЪЕКТЫ
```

```
01.02 12:15
! меню ОБЪЕКТЫ
```

```
01.02 12:15
! меню ОБЪЕКТЫ
```

When you reach either the beginning or the end of the log, a corresponding message is displayed on the LCD indicator. Pressing '*' will return you to the beginning of the Menu item so that you can enter a different site number. Pressing '*' once again will take you back to VIEW menu..

SERVICE LOG

Here you may view the service log, which keeps date and time of CCP initialization, computer status if the latter is connected, settings changed through menu by the Operator and several other status alterations of the CCP.

```
26.01 10:48
! ПЦН включен
```

```
01.02 12:15
! меню
```

The log may reveal occurred power failures or instances of malignant tampering with the system's settings.

GENERAL LOG

Lets you view the general system log (events on all of the sites and service log events in chronologic order) The log's capacity allows to keep 2048 latest events. After reaching the memory limit new events start to replace the oldest records, further recovery of the latter becoming impossible.

SITES MENU

This Menu allows the user to manage individual sites (train new transmitters, remove or temporarily shut down old transmitters, change site-assigned numbers, etc).

Access to the SITES menu requires entering 4-digit password and is recorded in the CCP log. Default password is 1111, and can be individually set by the user through *SETTINGS* menu. All system status alterations are also recorded in the system log.

SITE TRAINING

This command adds a new site to the system (more exactly, a new site transmitter) through so-called "remote training" procedure.

When entering this item you will be asked to select a site number. This number should be within the CCP data capacity limit (001 – 600) and currently unoccupied. Pressing '#' brings the system into a special waiting mode for a *TRAIN* radio signal, which needs to be sent from a newly connected transmitter following the instructions in the Transmitter User Manual.

BS receives the *TRAIN* signal and sends it to the CCP, which thereby draws the individual transmitter code and stores it in the power autonomous memory under the number assigned for the new site. The unique individual transmitter code is a factory set parameter included in each message transmission, which makes it possible to identify individual devices by default.

To abort waiting for the training signal press 'a' or '#'.

ОБУЧИТЬ No 010
(номер и #)

010 обучение...
(отмена:* или #)

010 обучение...
ок: обучен

CODE TRAINING

Allows to connect a new site by directly entering its transmitter individual code. First, select a new site number as in the previous guideline. Don't switch into the *TRAIN* signal waiting mode but enter the transmitter's 6-digit code directly, for example, 002.123.

The transmitter's code is checked for numerical integrity and the period integer is automatically added. You do not need to press '#' after entering all of the 6 digits.

NB! If the code starts with zero values you must enter them as they originally appear!

REMOVE SITE

Removes a site from the CCP and system memory. Select the number of the site to be removed, then confirm removal by pressing '#' once.

The number of the removed site is free for training a new transmitter. The removed site data is stored in the system and can be viewed through *GENERAL LOG* only.

УДАЛИТЬ ОБ. 010
(номер и #)

УДАЛИТЬ ОБ. 010
(да: # нет:*)

DISCONNECT SITE

Temporarily disconnects (Disarms) any of the system sites. Differs from site removal because the site data is not deleted from CCP memory nor disengages previously assigned to the site number. This function may be useful if you want to temporarily exclude the site from centralized surveillance, for instance, due to transmitter maintenance or repairs.

The procedure for disconnecting is similar to site removal.

CONNECT SITE

Connects (Arms) previously disconnected site and is performed through same procedure as with disconnecting a site.

CHANGE NUMBER

Changes number for a chosen site, which is useful when you want to regroup sites to correspond to certain categories, locations, etc. for easier operator control.

Procedure and logging for this operation are equivalent to removal of a site with an old number and its subsequent training under a new number. Earlier messages remain logged under old number.

ИЗМЕНИТЬ No 010
(номер и #)

No 010 -> 110
(номер и #)

No 010 -> 110
ок:номер изменен

VIEW RADIO TRANSMITTER CODE

Allows to view all RT codes stored in the CCP memory. It is strongly recommended to check and store each transmitter's code immediately after remote training in order to be able to use a much easier code training procedure in the future.

РПД ОБЪЕКТА 001
(номер и #)

001
РПД: 018.001

TEST SITE

Tests signal communication from a transmitter and is typically used at installation. Transmitter must previously be trained with CCP.

Switch transmitter into the special mode for test transmission once every 10c, then select the site number on CCP. Each received test signal will be indicated by an asterisk displayed on the LCD with signal strength from 0 to 99 and will be accompanied by a short sound signal. Strength of 20 and less is weak signal, 20 to 30 – acceptable signal, 40 to 60 – optimal signal, and over 60 – higher than necessary quality.

When the test signal is sent to CCP every 10 sec with no breaks or rare single breaks and the signal strength runs between 40 and 60, the radio wave broadcast should be considered sufficient. Please, note that too strong a signal (over 60) does not as much improve communication with a particular site as creates additional noise for all other system transmitters. Therefore, it is not recommended to exceed 60 in individual transmitter signal strength in general.

ТЕСТ ОБЪЕКТА С)
01 (номер и #)

ОБ.:001 СИЛА:50
СИГНАЛ ТЕСТ... *

SETTINGS MENU

This menu allows to change CCP operation modes, current date and time, etc. To access this menu one needs to enter the password (the same as for the *SITES* menu); each operation is system logged.

OPERATION MODE

Select CCP operation mode: MANUAL, AUTOMATIC or PC. As noted earlier the Manual mode requires confirmation of the received messages. PC mode is used for computer control of the system and is not described in detail in the present manual. It should be noted that information is fed to the computer in all of the modes, and it is possible to connect a PC to the CCP in the Manual mode. However, this will require that the Operator confirms messages through both PC and CCP.

When entered shows the current setting in the first line and a tip in the second line. Select desired operation mode by pressing **w** and **z** and confirm by pressing **#**. Press **↵** to return to selection options without saving the changes.

РЕЖИМ: Ручной

РЕЖИМ: Автомат.

РЕЖИМ: Компьют.
(выбор: 3,6 и #)

COMMUNICATION TESTS

Select desired time intervals for testing communication losses from transmitters. The chosen setting will be applied to all sites and may range between 4 and 20 minutes with a 2-minute step or may be set to *OFF*.

RELAY

Selects one of the three Relay modes:

- 1) *Until Cancelled* – the Relay is triggered by alarms and is turned off by pressing the alarm confirmation button **#**;
- 2) *2 min* — the Relay is turned on for 2 minutes after each alarm;
- 3) *3 sec* – the Relay is turned on for 3 seconds after each alarm.

Pressing **#** in modes 2 and 3 before the automatic stop will immediately turn the Relay off.

Mode 1 is typically used for connecting power source for external devices (for example, automatic telephone dialer), Mode 2 – for connecting an external siren, and Mode 3 – when linked into the alarm contour.

INDICATOR LIGHTING

Choose one of the three indicator lighting options:

- 1) *On* – the lighting is always on;
- 2) *Off* - the lighting is always off;
- 3) *Auto* – the lighting turns automatically on when displaying indicator messages or after any of the buttons is pressed and turns off about one minute after the last manipulation.

Indicator lighting considerably improves LCD readability, but increases consumed power by approximately 100 mA.

TIME

Sets time of the in-built CCP clock. Enter 4 digits for new current time in this menu. You must enter zero values for the missing first digits. Time is automatically changed after 4 digits are typed in; there is no need to press **#** for confirmation. Entered time values are automatically checked for validity and supplied with a double-digit (semi-colon) integer. You may cancel change of time settings by pressing **↵**.

ВРЕМЯ: 09:20
(4 цифры или

Regularly check and correct your time settings if needed. Time compatibility is important when CCP is controlled from a computer.

DATA

Данный Sets the date in the in-built calendar of the CCP. After entering type 8 digits for current date – day, month, year (you must type first zero values if needed, no need to confirm with **#**) or cancel date change by pressing **↵**. The date is changed only after all of the 8 digits are entered. The values are automatically checked for validity and supplied with a double-digit period integers.

ДАТА: 01.02.2001
(8 цифр или *)

NEW PASSWORD

Changes current access password to *SITES* and *SETTINGS* menus. Make sure you change the factory password setting of 1111. Your new password should be kept secret and revealed only to the authorized personnel.

ПАРОЛЬ : ****
введите 4 цифры

ПАРОЛЬ : ****
введите еще раз

ПАРОЛЬ ИЗМЕНЕН
ок

After entering type 4 digits of your new password (displayed as asterisks), no need to confirm with **#**, then enter your new password once again to confirm password change. To cancel password change at any stage of the procedure press **↵**.

NB! If you forget your current password you can restore the default factory setting (1111) by opening the CCP box and setting the jumper fuse J0 (see chapter **Restore System Defaults**).

PORT #2 MODE

Changes operation mode of the second (service) COM port RX2 - TX2.

ПОРТ: Мониторинг

In the *Monitoring* mode the second port is used for copying all data received by the CCP from all connected base stations. With several base stations data flows are united into a single flow.

ПОРТ: Загрузка
(выбор: 3,6 и #)

This mode is useful for fast visual control over received data, and also for accumulated statistics of radio communications throughout sites executed with the help of a special software application.

In the *Loading* mode you may use a computer with the special software to load to or unload from the CCP a database of sites and your settings. May be used to create a backup copy of your sites database (if you need to replace the old CCP) and train new sites, remove old ones, etc. through your PC without operating the CCP directly. Requires special software, and is not described in this Manual.

INSTALLATION AND MOUNTING

Mounting

Carefully remove the panel front cover from the box. You may use a plastic or wooden ruler – insert into the gaps on the left and right of the box perimeter, Do not use metal tools since they may damage the box. Be careful not to break two joining spikes in the upper part of the base which fit into the holes of the front panel and fix the flip cover of the assembled panel.

Insert external mains wires through the hole in the bottom left of the panel box base and fix to the screw pads.

Data are sent from the BS to the CCP via RS-485 interface. The CCP has 2 identical RS-485 ports: «A1-B1», «A2-B2», «A3-B3» и «A4-B4». You may choose to send data via any of these, e.g., to the pads pair «A1-B1». Your CCP may theoretically be connected up to 4 BS's simultaneously.

For data transmission use a coax cable with the maximum recommended length to the BS of 1000 meters. Avoid laying the cable along power lines or electromagnetic noise sources if possible. Use screened coax cable to increase noise protection.

CCP identifies occurring connection noise instances and stores them in the service log as well as shows them on the computer as alarm with code 950. Upon installation and throughout service use check the log for potential line failures. Rare single failures do not prevent normal system operation. However, if the line failures are frequent and regular, you may need to identify the noise source and change your cable routing.

CCP is normally powered through a separate coax power cable from the Base Station, although an independent power source with a backup battery may also be used for the CCP. It is advisable to connect the CCP to the BS power source, so that any possible power failures at the BS will be immediately apparent through the CCP.

NB! Connect cables ONLY with the BS and CCP turned off! If CCP is powered from other source than the BS, connect the GND pads of the joint CCP and BS line with a separate wire! The joint line should always be connected first and disconnected last! Coax cable screen should be connected to the joint line only at the CCP end!

Fix a screw or a bolt at the mounting location and hang the CCP box on it using the special mount hole in the upper back box wall. Fix it if needed with another screw using the mount hole in the lower part of the panel box back wall. Place the front panel with the flip cover. You may choose not to fix the flip cover at installation. Test your CCP operation.

External Alert Confirmation Button

With non-PC operation, the Operator confirms receipt of messages by pressing keypad button '#', which may be inconvenient and lead to its early wear or malfunction. For operation ease it is recommended to connect an external switch button to the KEY and GND leads. The external button functions equivalently to the '#' key on the panel keypad.

Connecting PC to CCP

To connect your CCP to the PC with pre-installed security surveillance software you need to prepare a three-wire cable with a DB-9F (Mother) connector and connect its other end to TX1, RX1 and GND pads. If you wish to use the service port (TX2, RX2 and GND) for loading a database or for monitoring you will need to use another similar cable.

| | | |
|-----------|--|--------------------------------|
| CCP pad | | Connector DB-9F (Mother) to PC |
| TX1 (TX2) | | contact 2 |
| RX1 (RX2) | | contact 3 |
| GND | | contact 5 |

NB! Always turn your computer off before connecting or disconnecting CCP to avoid burning the port!

Restore System Defaults

If you forgot your system password you can restore the factory default setting 1111. To do this, turn your CCP off, place jumper fuse JO (top of the main board) and turn CCP back on. The CCP will request confirmation for password restore, which you give by pressing '#', and the password will be restored to factory default. Turn power off, take the jumper fuse out, turn the panel back on and set your new password using the *SETTINGS* menu. If you decide not to restore the default password do not confirm by pressing '#', simply take the fuse out and turn the panel on.

You may empty internal events log which is used for PC display. If the log is not empty, when a PC is first connected it will display automatically the full accumulated earlier history of events, which is often unnecessary.

To empty the log place fuse J1, turn power off and on again, followed by confirmation by pressing '#'.

This action does not delete main log in the power independent memory of the CCP, which may be accessed on the CCP using the *VIEW* menu.

To fully erase contents of the power independent memory including sties database, full events log, password and system settings place fuses J0 and J1 in a way similar to emptying events log.

| |
|--------------------------------------|
| СБРОСИТЬ ПАРОЛЬ? (да:# нет:выкл.) |
|--------------------------------------|

| |
|--------------------------------------|
| ОЧИСТ. ПРОТОКОЛ? (да:# нет:выкл.) |
|--------------------------------------|

| |
|--------------------------------------|
| ОЧИСТИТЬ ПАМЯТЬ? (да:# нет:выкл.) |
|--------------------------------------|

Battery Replacement

In-built clock and calendar of the CCP have a backup lithium battery with 3V output of type R2032, which supplies power to the clock when the main power source is off. Normally the battery's service life extends to several years.

Battery depletion of absence does not alter CCP's operation in power-on mode. Battery malfunction may be identified when turning the main power on – if the date and time data are wrong, the reason is most probably a flat battery.

To test the battery measure voltage between the joint CCP line and the upper (positive) battery contact. If less than 2.6 V the battery needs to be replaced. If the voltage is of normal value, but the clock still does not work, you should carefully clean battery contacts, the main board connect point and the fixer clip.

INSTALLATION SCHEME

WARRANTY

Manufacturer guarantees that this product satisfies all relevant technical descriptions on provided the user complies with the exploitation guidelines as described in the present Manual.

Manufacturer offers a full one-year warranty commencing with the date of purchase or installation, but not exceeding three years from the date of Quality Control acceptance by the Manufacturer. Service and maintenance covered by the Warranty should be handled by the Seller or Installer of the CCP.

CUSTOMER SUPPLY PACKAGE

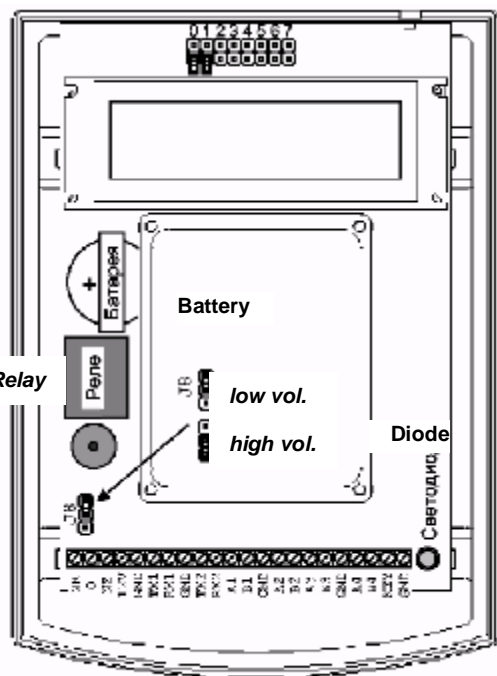
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QUALITY CERTIFICATE

Centralized Surveillance Control Panel REEF String RS-202P was produced, assembled, packaged and accepted by Quality Control as satisfying the enclosed technical description and ready for consumer exploitation.

SALES AND INSTALLATION DATE

Quality Check Date _____
 Sales agent or Installer _____ Date _____



Service Jumper Fuses

| Operation Mode | JO | J1 |
|----------------------------|----|----|
| Restore Password Default | + | - |
| Erase computer display log | - | + |
| Full memory erase | + | + |

Note: + and – stand for placed or removed fuse in that order. After every fuse operation turn CCP power off and back on again. Keep fuses on one of the end points when removed (to prevent potential loss).

Changing Ring Volume

You may change sound volume of the in-built CCP ring by changing position of jumper fuse J8 (bottom left). Remove fuse J8 to turn all sounds off.

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