

Installation procedure for RMS-ACS-02 system

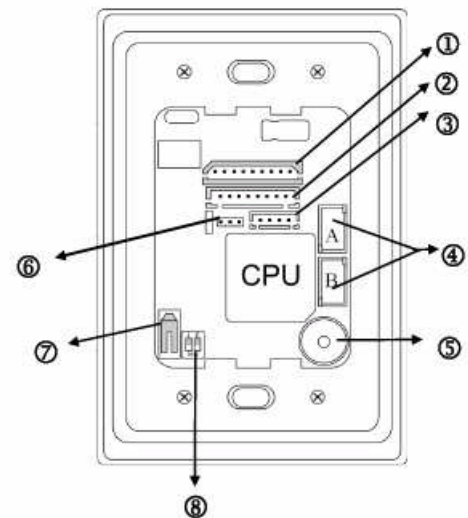
List of tools and components:

- Drill template (check dimensions before usage)
- Metal drill diameter 3mm
- Metal drill diameter 7mm
- Conical (stepped) metal drill diameter min. 30mm
- Centre punch
- Hammer
- Cabinet file
- RMS-ACS-02 system
 - Keyboard
 - 3x access card
 - Central unit
 - Power supply unit
 - Cable for keyboard connection to central unit
 - Cable for electronical handle (DP-ZM-E1) connection to central unit (1 or 2 pieces according to number of handles)
 - Cable for connection of another equipment for receiving a status info from the latch; typically a RAMOS Mini B or C unit
- Electronical handle DP-ZM-E1 (1 or 2 pieces according to requirement)

Doors alternations of ROF cabinet for keyboard assembly RMS-ACS-02 system

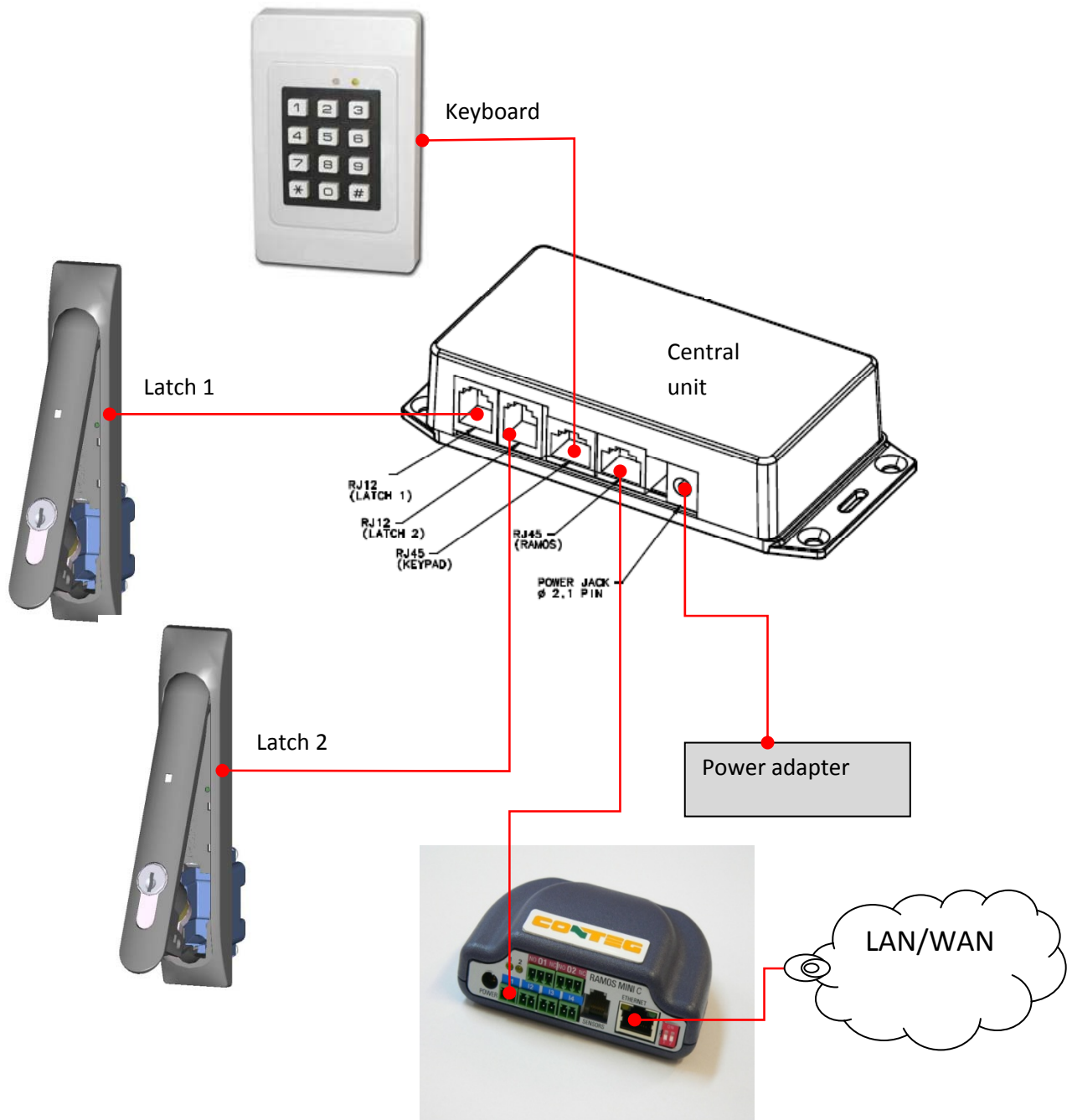
Operating sequence:

1. Current handle removal. In case of multi-point lock usage its necessary to remove upper pull.
2. Apposition of drill template and mark of centers for centre punch drilling.
3. Holes pre-drilling by metal drill diameter 3mm.
4. Holes drilling by metal drill diameter 7mm.
5. Central hole drilling by conical (stepped) metal drill diameter 30mm
6. Drilled holes by suitable file.
7. Disassemble the keyboard to 3 parts - cover, main board, underlay.
8. Main board of the keyboard put on underlay and all this apply to prepared holes from front side of doors, and screw it by attached screws. Put the cover on.
9. From the rear keyboard part connect a cable to central unit into No. 1.

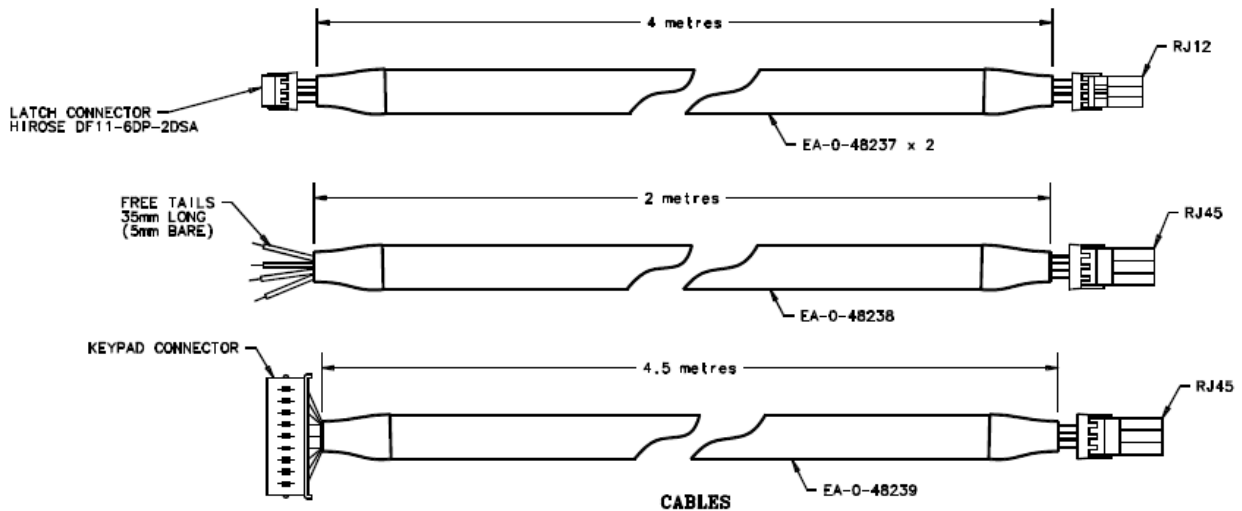


Instructions for connection of system RMS-ACS-02

A picture below shows a connection component of system RMS-ACS-02. For connection use a enclosed cable's.



Type of cables for system RMS-ACS-02



Description of cables:

1. Cable for electronical handle (DP-ZM-E1) connection to central unit (1 or 2 pieces according to number of handles).
2. Cable for connection of equipment for receiving status info from the latch; typically a RAMOS Mini B or C unit.
3. Cable for keyboard connection to central unit

RMS-ACS-02

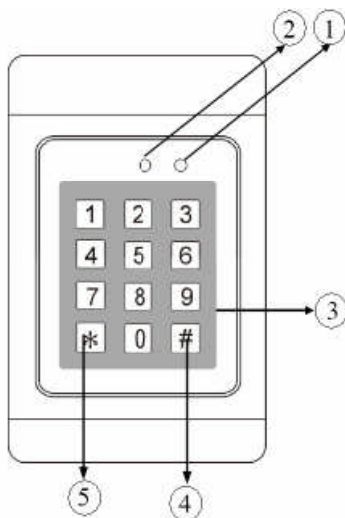
Standalone PIN + Prox Controller

Programming Instructions

Package Contents

- Stand alone PIN + Prox Controller
- Instruction guide
- 9 pin blue connector (JA)
- 8 pin white connector (JB)
- 4 pin white connector (JD)
- 3 pin blue connector (JC)
- Diode (IN4007GW)*
- 2 mounting screws

Standalone PIN + Prox Controller



1. Power ON LED
2. Bicolor (red/green) Status LED
3. PIN + Prox Controller
4. Reset Key
5. Master Control Key

Specifications

PIN Code Length:	4 digits
Power:	12VDC
Dimensions:	118 mm x 75 mm x 21 mm
Weight:	0.25 kg

Enrolling Supervisor Card

To enroll the supervisor card:

1. Switch the two DIP switches on the rear of the unit to "ON".
2. Hold the supervisor card to the unit. The status LED will flash red/green if the card has been successfully enrolled.
3. Switch the two DIP switches on the rear of the unit to their original positions.

Deleting Supervisor Card

To delete the supervisor card:

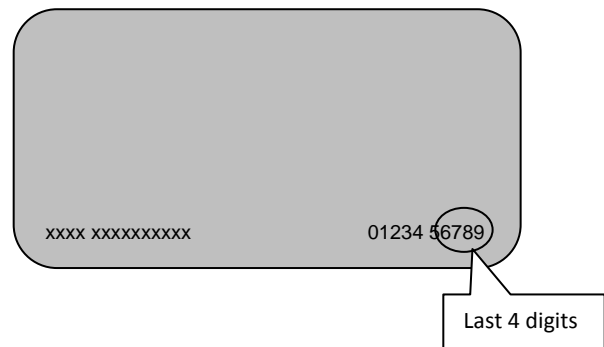
1. Hold the supervisor card to the unit.
2. Enter 0-0-0-7 on the keypad.

NOTE: Deleting the supervisor card will not delete enrolled user cards.

Enrolling User Cards

User cards can be enrolled individually or in blocks. To enroll an individual user card:

3. Hold the supervisor card to the unit.
4. Enter 6-6-6-6 on the keypad.
5. Enter the last four digits on the bottom right corner of the prox card to be enrolled (example below).



6. To enroll another card, repeat Step #3 while the status LED is still green.
7. The unit will return to user mode when the status LED turns off.

To enroll a block of cards:

1. Hold the supervisor card to the unit.
2. Enter 6-6-0-0 on the keypad.
3. Enter the last four digits of the lowest card in the block to be enrolled.
4. Enter the last four digits of the highest card in the block to be enrolled.
5. The unit will return to user mode when the status LED turns off.

For example, entering 6-6-0-0 8-3-0-0 8-3-0-5 will enroll cards whose last four digits range from 8300 to 8305.

Deleting User Cards

User cards can be deleted individually or in blocks. To delete an individual user card:

1. Hold the supervisor card to the unit.
2. Enter 7-7-7-7 on the keypad.
3. Enter the last four digits on the bottom right corner of the prox card to be deleted.
3. To delete another card, repeat Step #3 while the status LED is still green.
5. The unit will return to user mode when the status LED turns off.

To delete a block of cards:

1. Hold the supervisor card to the unit.

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Standalone PIN + Prox Controller

Programming Instructions

2. Enter 7-7-0-0 on the keypad.
3. Enter the last four digits of the lowest numbered card in the block to be deleted.
4. Enter the last four digits of the highest numbered card in the block to be deleted.
5. The unit will return to user mode when the status LED turns off.

For example, entering 7-7-0-0 8-3-0-0 8-3-0-5 will delete cards whose last four digits range from 8300 to 8305.

Changing Door Access Time

The default door access time is four seconds. To change the access time:

1. Hold the supervisor card to the unit.
2. Enter 2-1-*tt* on the keypad, where *tt* is the desired door access time in seconds (range 01-98).

Enrolling PIN Numbers

Five PIN numbers can be enrolled. Each PIN number is four digits. To enroll a PIN number:

1. Hold the supervisor card to the unit.
2. Enter 4-6-0-*n* on the keypad, where *n* is the slot number (range 1-5).
3. Enter the desired four digit PIN number.

Deleting PIN Numbers

PIN numbers may be deleted either individually or all at once. To delete an individual PIN number:

1. Hold the supervisor card to the unit.
2. Enter 4-7-0-*n* on the keypad, where *n* is the slot number (range 1-5).

To delete all PIN numbers:

1. Hold the supervisor card to the unit.
2. Enter 4-7-0-0 on the keypad.

Setting the Mode of Operation

The unit can be set to one of three operating modes:

- **Card-Only:** Access granted when a valid card is held to the unit.
- **Card and PIN:** Access granted when a valid card is held to the unit and an enrolled PIN is entered.
- **Card or PIN:** Access granted when a valid card is held to the unit or an enrolled PIN is entered.

To set the unit to operate in these modes:

Card-Only

1. Hold the supervisor card to the unit.
2. Enter 3-2-0-0 on the keypad.

Card and PIN

1. Hold the supervisor card to the unit.
2. Enter 3-3-0-0 on the keypad.

Card or PIN

1. Hold the supervisor card to the unit.
2. Enter 3-4-0-0 on the keypad.

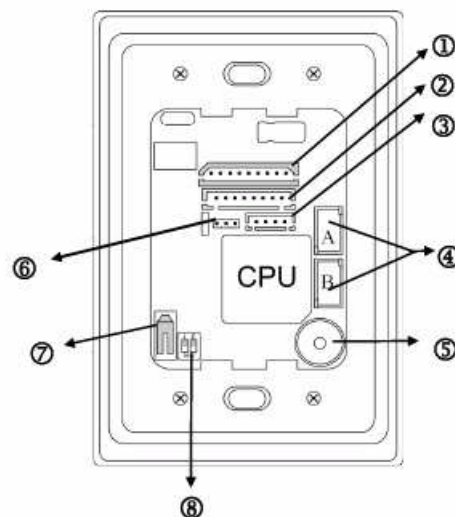
NOTE: In all modes, access will be granted if the supervisor card is held to the unit and 3-6-0-1 is entered on the keypad.

Resetting the Unit

Resetting the unit will restore the factory settings. It will not delete PIN numbers or enrolled user cards. To reset the unit:

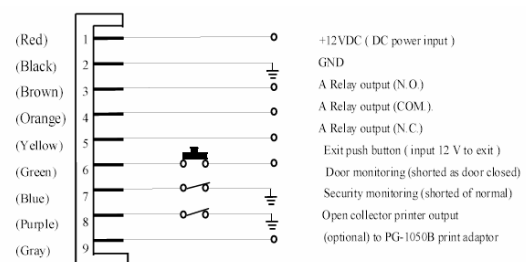
3. Hold the supervisor card to the unit.
4. Enter 0-8-0-0 on the keypad.

Rear Side of Unit



- (1) JA 9 pins blue for access connector
- (2) JB 8 pins white for communication connector
- (3) JD white 4 pin for extra proximity port
- (4) Relays(A)for door
Relays(B)for alarm Buzzer
- (5) Buzzer
- (6) JC tamper switch output
- (7) Tamper switch
- (8) DIP switch for master card programming
- (9)

JA Connector Wiring Diagram



DRILLING TEMPLATE FOR KEYBOARD

