User Manual

DOOR STATION DRC-2(4,6,8)ML/RF1, DRC-24XM(F)

https://aros.kz

www.commax.com

COMMAX Co.,Ltd.

Contents

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Safety Warning & Caution

Please follow the things described below in order to prevent any danger or property damage.

⚠ **Warning** — It may cause a serious damage or injury if violated.	🚫 Prohibition.
	🚫 No disassembly
	🚫 No touch
⚠ **Caution** — It may cause a minor damage or injury if violated.	❗ Must follow strictly.
	Shows plugging out the power cord without an exception
	⚡ Shows the warning and caution for an electric shock.
	🔥 Shows the warning and caution for a fire.

⚠ Warning

Power & Installation

Please don't use several products at the same time on one power socket.
· It may cause a fire due to an abnormal overheating.

Prohibition   Fire

Please don't bend the power cable excessively or it may cause an electric shock.
· fire when using a damaged power cable.

Prohibition   Electric shock   Fire

Please don't handle the power cable with a wet hand.
· It may cause an electric shock.

Prohibition   Fire

Please plug out the power cable from the socket when not using it for a long period of time.
· It may shorten the product lifespan or cause a fire.

Request   Fire

Please don't install the product in the place where there is much oil, smoke or humidity.
· It may cause an electric shock or fire.

Prohibition   Electric shock   Fire

Please don't install the product with the lightening and thunder.
· It may cause an electric shock or fire.

Prohibition   Electric shock   Fire

Please don't use and connect this product with other products with different rated voltage
· It may cause a disorder or fire.

Prohibition   Fire

When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation.
· It may cause a fire due to the increased internal temperature.

10cm
5cm

Prohibition   Fire

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⚠ Warning

Cleaning & Use

Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed.
· It may cause an electric shock or fire.

No disassembly
Electric shock   Fire   Unplug
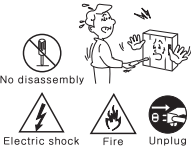
If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.
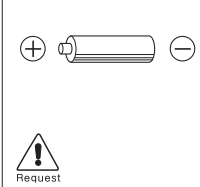· It may cause an electric shock or fire.

Electric shock   Fire
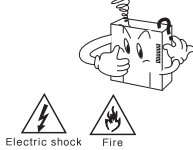
Please don't insert any metallic or burnable materials into the ventilation hole.
· It may cause an electric shock or fire.

Prohibition   Electric shock   Fire
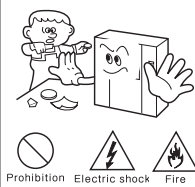
Please use only the designated batteries for the products of using DC power.
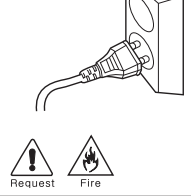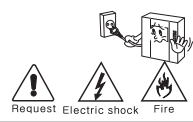· It may cause an electric shock or fire.

Request

⚠ Caution

Please plug the power cable firmly into the inner end
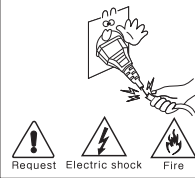· It may cause a fire.

Request   Fire

Please hold the plug tightly when unplugging the power cable (a part of the copper wire may be disconnected if the grabbing is only made on the cord when pulling out the cable).
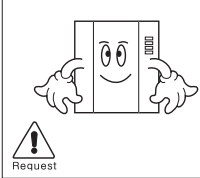· It may cause an electric shock or fire

Request   Electric shock   Fire

When connecting the power cables after cutting the cable, please install the product with power off
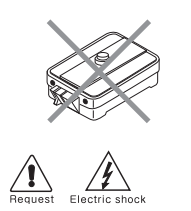· It may cause an electric shock or fire

Request   Electric shock   Fire

When installing the product, please fix it firmly while using the wall-mounting unit and screws.
· It may cause an injury from the falling object.

Request

Power & Installation

Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.

Request   Electric shock

Please check the use voltage and current for the DC-only products and use the appropriate rectifier.
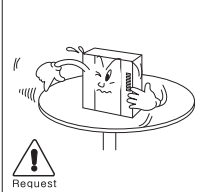· It may cause a fire.

Request   Fire

Please avoid direct rays of the sun or heating devices at a time of installation.
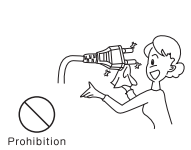· It may cause a fire.

Request   Overheating   Fire

Please don't install the product on an unstable place or small support board.
· It may cause an injury if it falls down while in use.

Request

Cleaning & Use

When cleaning the product, please rub it with a soft and dry cloth after plugging out the power cable. (Please don't use any chemical products such as wax, benzene, alcohol or cleanser.)
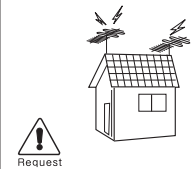
Prohibition

Please don't drop the product on the ground and don't apply a shock.
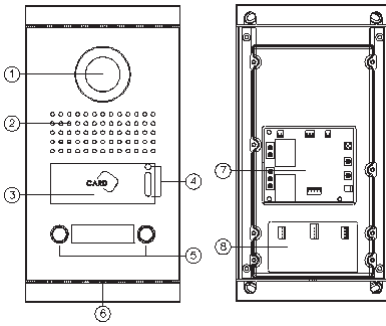· It may cause a failure.

Prohibition

Please use the designated connection cable within the maximum calling distance designated for the product
· It may reduce the product performance.

Request

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1. Overview

(1) DRC-2ML/RF1

(2) DRC-4ML/RF1
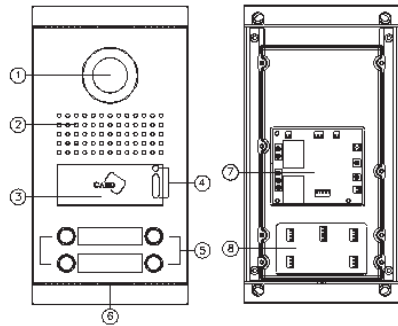
(3) DRC-6ML/RF1
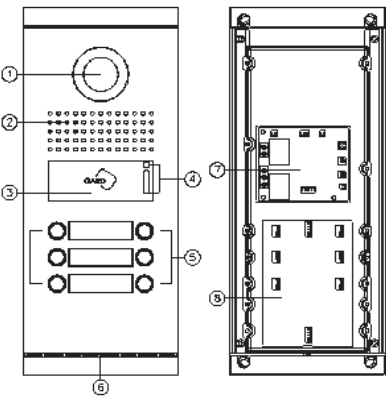
(4) DRC-8ML/RF1
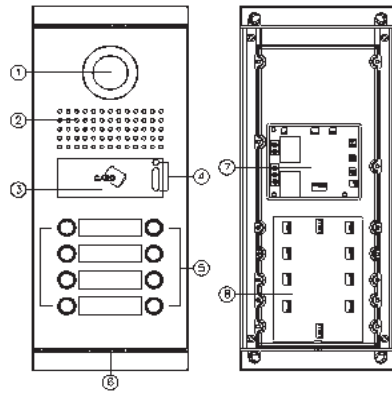
No.	Contents	No.	Contents
1	Camera	5	Household call button
2	Speaker	6	Microphone
3	125KHz or 13.56MHz RF reader	7	Wiring 1 (Refer to '3. Wiring')
4	CDS sensor & LED light	8	Wiring 2 (Refer to '3. Wiring')

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2.   How to use

2-1 Function

1. The power supply of this product is DC12V.

2. If the household videophone is answered when you call from this door camera(entrance), you can talk with household.

3. Please note that 3-way communication is possible when another user turn on the monitor when you are talking with visitor at the entrance.

4. Please note that 3-way communication is possible when you call a house and then call to other house in a row.

5. This product supports 2 ports for OPEN contact so that CDV-70KR3/70AR3 videophone can be connected.

6. If you want to open the door using a RF card key, please tag it to CARD point.

7. You cannot use a RF card, when you talk with household or any household is monitoring.

8. Extension panel (DRC-24XM(F)) can be connected up to 1 unit.

2-2 How to register/delete RF card

  * Button type
    Button 1 : to register RF master card only for
    registration of other RF cards Button 2 : to register
    RF master card only for deletion of other RF cards

 1. How to register Master Card

   1) Master card for Registration
     (1) LED slowly flickers with beep sound on pressing button 1.
     (2) Tag the master card for registration on LED flickering.
     (3) If registered normally, LED flickering and beep sound stops.

   2) Master card for Deletion
     (1) LED flickers fast with beep bound on pressing button 2.
     (2) Tag the master card for deletion on LED flickering.
     (3) If registered normally, LED flickering and beep sound stops.

  * Remark : Master card can be registered both registration/deletion purpose.
    (1card for each purpose only) In case of new mater card registration, the previous
    master card information will be deleted and new card should be registered.

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2.Door release card registration/deletion

1) Card registration
   (1) On tagging the master card for registration, LED slowly flickers with beep sound.
       (Entering registration mode)
   (2) Beep sound comes out when door release card is tagged.
   (3) In case more than 1 cards have to be registered, repeat above (2) procedure.
   (4) In case you finish registration, please tag the master card or registered door
       release card.

2) Individual Card deletion
   (1) LED flickers fast on tagging master card for deletion.
       (Entering Pre-Deletion mode).
   (2) Press button 3. Then beep sound comes out.
       (Entering Individual deletion mode)
   (3) In case more than 1 cards have to be deleted, repeat above (2) procedure.
   (4) In case you finish deletion, please tag the master card.

3) All cards deletion
   (1) Tagging the master card (for deletion) 3 times in 4 seconds, LED flickers fast
       with beep sound. (Entering Pre-Deletion mode).

   (2) If you tag master card for deletion once more in 4 seconds, the beep sound
       stops and all card information is processed.

   (3) When all card information is deleted, LED light flickering will be stopped after
   beep sound.

* Remark : Maximum 2,046 cards can be registered. (including 2 master cards)
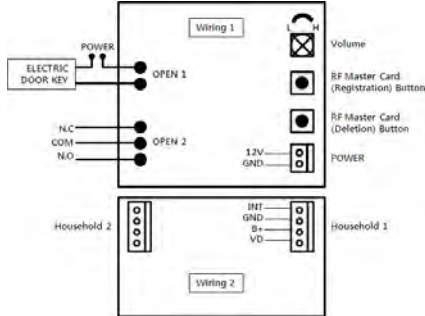
          Do not turn off the device until all cards deletion process is completed.
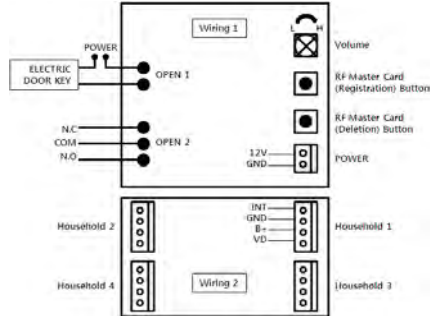

* Precautions

- Other than the RF card provided by COMMAX, the recognition sensitivity may be
  degraded or it may not work.
  (Please use the RF card provided by COMMAX because it may cause security
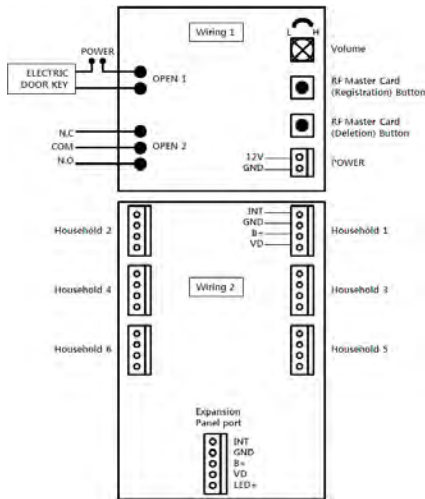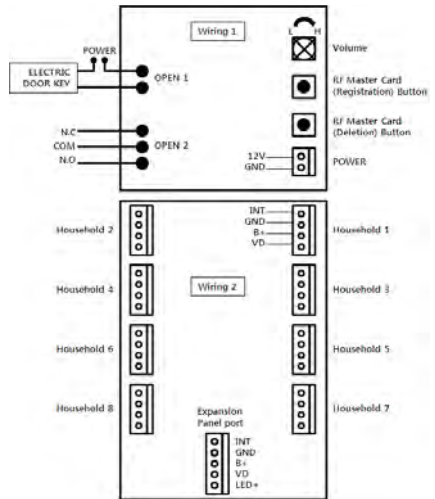 problems.)

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3. Wiring

(1) DRC-2ML/RF1
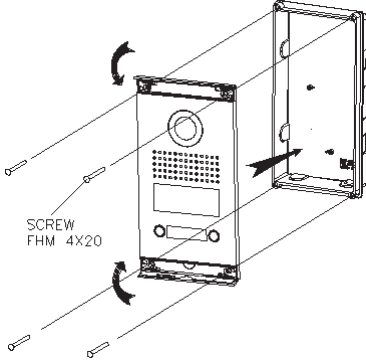

(2) DRC-4ML/RF1
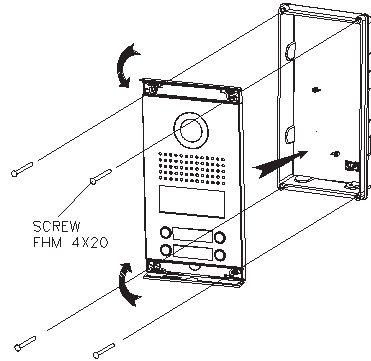

(3) DRC-6ML/RF1

(4) DRC-8ML/RF1

* Refer
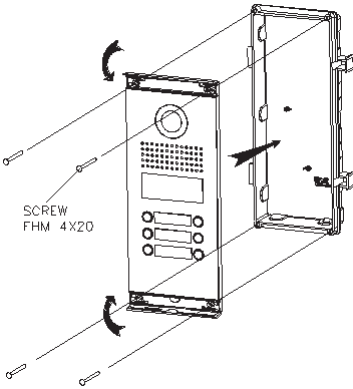- DRC-2ML/RF1 and DRC-4ML/RF1 are cannot connect to an expansion panel(DRC-24XM(F)).

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4. Installation

(1) DRC-2ML/RF1

SCREW
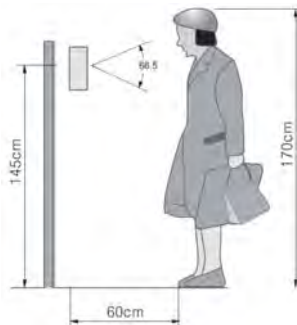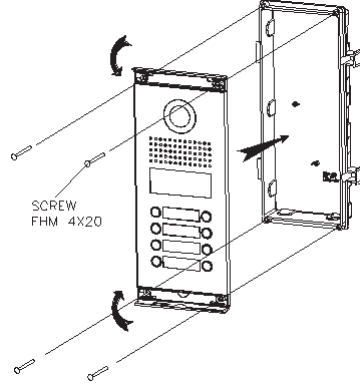FHM 4X20

(2) DRC-4ML/RF1

SCREW
FHM 4X20

(3) DRC-6ML/RF1

SCREW
FHM 4X20

(4) DRC-8ML/RF1

SCREW
FHM 4X20

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5. Part List

Item	Description	Qty
CONN. 4Px300	Wiring Connector(DRC-2ML/RF1)	2
	Wiring Connector(DRC-4ML/RF1)	4
	Wiring Connector(DRC-6ML/RF1)	6
	Wiring Connector(DRC-8ML/RF1)	8
SCREW FHM 4x20	Bracket + Flush Mount Bracket	4
ADAPTER	12V / 1A Adapter	1
POWER CORD	Adpater Power Cord	1
MANUAL	User Manual	1

6. Specification

Model No.	DRC-2(4,6,8)ML/RF1		
Power source	DC12V, 1A		
Wiring	4 Wires(Polarity)		
Communication	Hands-free(Duplex)		
Min. Lux.	0.1Lux(UP TO 300mm From the Camera)		
Light	White LED(3pie) 2EA Built-In		
Camera Angle	H : 82°, V : 66.5°, D : 130°		
Camera Module	C-MOS		
RF Module	13.56MHz		
Temperature	-20℃(tested up to -40℃) ~ +50℃		
Dimension(mm)	DRC-2(4)ML/RF1 : 130(W)× 246(H)× 50(D) DRC-6(8)ML/RF1 : 130(W)× 315(H)× 50(D)		
Communication Distance	Diameter	Φ 0.5	Φ 0.65
	Distance	30m	50m

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