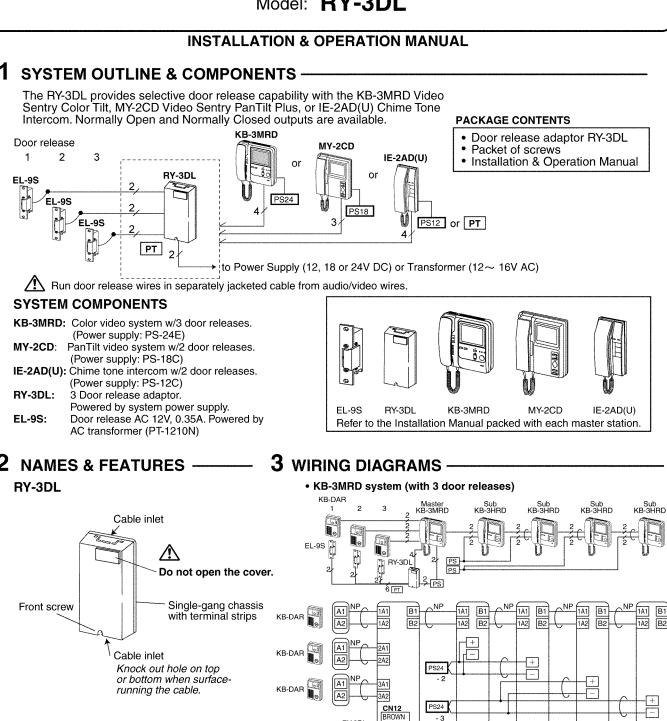
83067400 1200-USA AIPHONE

DOOR RELEASE ADAPTOR

Model: **RY-3DL**



FEATURES

- Selective door release with one button.
- Door release contacts release the door where communication is established.
- Works with three different systems: KB-3MRD, MY-2CD & IE-2AD(U).
- Normally open contacts for electric door strikes.
- Normally closed contacts for magnetic locks.

AC Trans

RY-3DI

b1

h2

b3

L D1

Е

D2

C1 L1

C2 12

Ē3

EL-9S

EL-9S

EL-9S

RED

ORANGE

YELLOW

GREEN

PURPLE

BUIE

GRAY

WHITE

BLACK

CN11

YELLOW

L1, L2, L3: N/C side of contact.

PS-24E

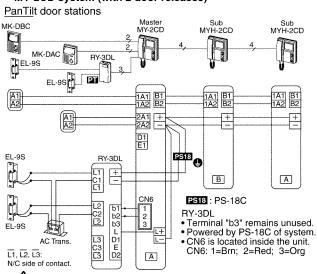
Note: Do not connect on b1 ~ b3 of RY-3DL

Cut and insulate all the unused wires.

if corresponding door station is not used.

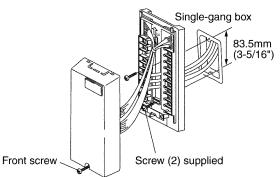
4 WIRING DIAGRAMS

MY-2CD system (with 2 door releases)



Cut off and insulate all the unused wires.

5 MOUNTING



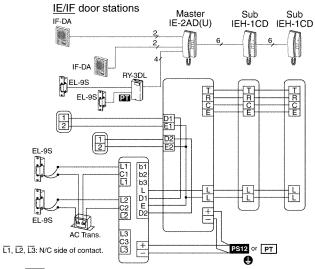
- 1. Loosen front screw (attached).
- Disconnect and separate RY-3DL from chassis. 3. Attach the chassis to single-gang box or directly
- to wall surface.
- Terminate wires on screw terminals, and splice 4. with wires from the master station.

6 OPERATIONS

When communication is established to a door station, the single door release button on the intercom will activate the door release mechanism associated with that door. The adaptor can be installed with the power supplies for the system.

*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

IE-2AD(U) (with 2 door releases)



PS12 : PS-12C or AC trans. 12V ~ 16V AC.

TECHNICAL PRECAUTIONS

- Do not remove rubber cover on front panel, as inside components will be exposed.
- Do not use any unused terminals for any other purpose.
- Do not attempt to connect two door releases to a single control terminal Ln, Cn (n = $1 \sim 3$).
- When RY-3DL is mounted below master station, the image may slightly vary at release of door release button. Keep RY-3DL at least 10m, 33' away from master station.
- When IE-2AD(U) does not have door station 2 (or 1) connected, eliminate use of door release 2 (or 1) by disconnecting D2 (or D1) terminal between RY-3DL and IE-2AD(U).

Cleaning

Clean the RY-3DL unit with a soft cloth dampened with neutral household cleanser. Do not use any harsh cleaner or cloth.

8 SPECIFICATIONS -

Power source:	12 ~ 24V DC 30mA, or 12 ~ 16V AC 60mA, supplied from System's power supply: PS-24E (KB-3MRD); PS-18C (MY-2CD);
	PS-12C or AC trans. (IE-2AD(Ú)).
 Relay contacts: 	N/O or N/C output. 1A at 50V AC. 1A at 30V DC.
	(For other types, use a matching relay)
 Wiring: 	4 wires, between KB-3MRD & RY-3DL.
0	3 wires, between MY-2CD & RY-3DL.
	4 wires, between IE-2AD(U) & RY-3DL.
	2 wires to each door release.

Wiring distance:

Wire size	0.65mm	1.0mm	22AWG	18AWG
Master to RY-3DL	50m	100m	165'	330'
RY-3DL ~ EL-9S	50m	100m	165'	330'
The distance secured	may vary w	hen using da	oor release.	

- Dimensions: 140H x 74W x 42D (mm). 5-1/2"H x 3"W x 1-1/2"D.
- Weight: Approx. 200g (0.44lbs.).

*** ***

WARRANTY

**** Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone *** reserves unto itself the sole right to make the final decision whether thre is a defect in materials and/or

- workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to **** use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory.
- This warranty does not cover batteries or damage caused by batteries used in connection with the product. • [•
- This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls. +

AIPHONE CO., LTD., NAGOYA, JAPAN AIPHONE CORPORATION, BELLEVUE, WA, USA AIPHONE EUROPE N.V., ANTWERP, BELGIUM

HOME, BUSINESS, INDUSTRY. Printed in Japan (E)

^{***} **COMMUNICATION SYSTEMS**

0803 A

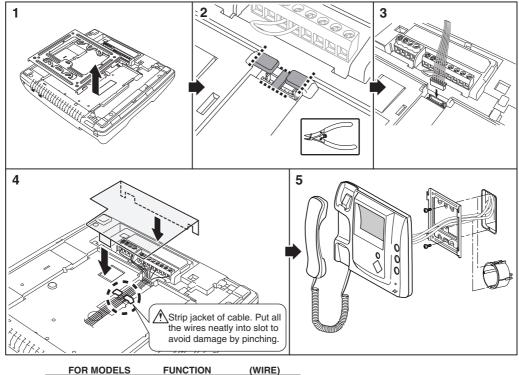
6-PIN CONNECTOR

for Optional Functions

MOUNTING INSTRUCTIONS

MOUNTING

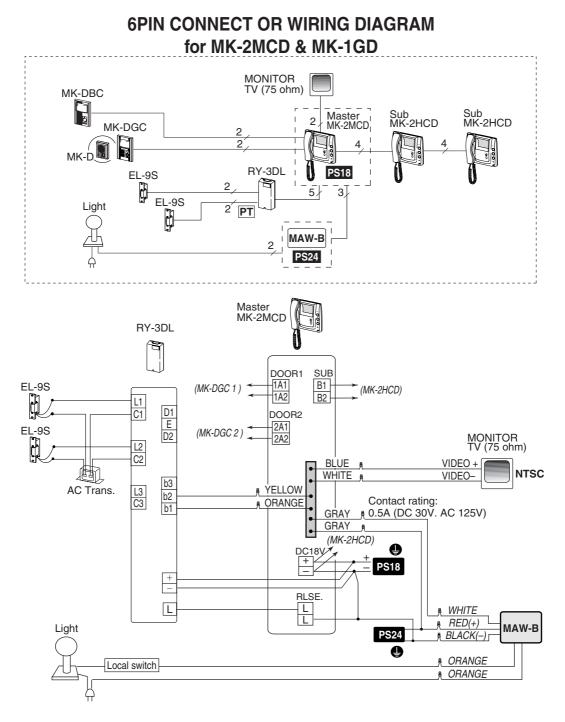
- 1. Take the mounting bracket off of the monitor unit.
- 2. Cut out the cable knock-out, as shown by the dotted lines.
- 3. Plug the 6-pin connector into slot.
- 4. Connect the wires to the terminal block. Attach the protection shield.
- 5. Attach the mounting bracket to a box. Mount the monotor unit onto the bracket.



FOR MODELS		FUNCTION	(WIRE)
MK-1GD, MK-1HD,	ſ	Ext. device control	(Gray)
MK-2MCD, MK-2HCD	۱	porch light, etc.	(Gray)
MK-2MCD	ſ	b1*RY-3DL	(Orange)
MR-2MGD	۱	b2*RY-3DL	(Yellow)
MK-1GD. MK-2MCD	ſ	VIDEO -	(White)
WIK-TGD, WIK-2WICD	۱	VIDEO +	(Blue)

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NOTE: YELLOW & ORANGE wire provides selective door release control with RY-3DL adaptor. Works for MK-2MCD only.

PS18 : PS-1820DIN, PS-1820S, PS-1820UL (2A) PS24 : 24V DC power supply for MAW-B or Relay

locally available.