

2-Wire Video System

Installation Manual

ATIGO

Introduction

The Atigo door entry system is a 2-Wire system that can be expanded up to 4 entrance panels and up to 32 internal monitors per system.

For programming camera module use built in set of DIP switches and touch keys.

The camera module has built in visual and audible status indicators as well as white LED for night view.

Installation Notes:

Wire up the system in accordance with the Wiring diagram supplied.

Make sure A2300 is installed next to the Power supply when installing multiple Entrances.

Set each Door Station ID as per instructions on **Page 3**

Set the address for each handset by following programming instructions supplied with the unit.

System Layout:

Maximum of 4 monitors can be connected to a single call button.

Maximum of 4 monitors can be connected in daisy chain configuration

Maximum of 4 monitors can be connected to a single A2200 in distributor mode (DIP switch 1 OFF)

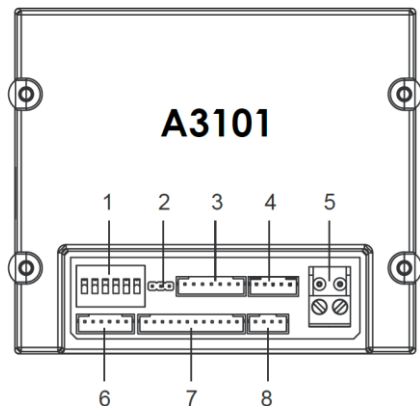
Maximum of 4 A2200 units can be connected to single A2200 in raiser mode (DIP switch 1 ON)

Maximum of 32 monitors can be connected in any given system.

Maximum of 4 A1714 monitors can be connected to a system powered by A2102 Power supply.

Maximum of 12 A1714 monitors can be connected to a system powered by A2101 Power supply.

Video camera module A3101



1. SET

DIP switches for system configuration.

2. JP-LK

Jumper for setting state of the **NO** contact

3. CN/KMB

Call button module A2400 connection port

4. CN/T-COIL

Not in use

5. BUS

L1, L2 bus line connecting to terminal BUS(DS) on the power supply

6. CN-LK

+12V 12VDC power output.

LK- Power ground.

LK+ Common contact of the relay.

NO Normally open/closed contact (use JP-LK jumper to set)

EB+ Exit button connection port.

EB- Exit button connection port.

7. CN/FUN

Not in use

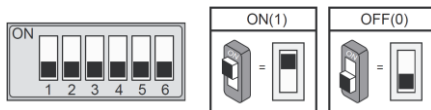
8. CN/WGN

Not in use

DIP switch settings for A3101

The video module is configured by 6 DIP switches.

The DIP switches can be modified either before or after installation. Restarting the camera module is necessary whenever the DIP switches have been modified.



DIP switches 1 and 2 are for addressing door station(s).

When multiple door stations are installed on the system, these two DIP switches must be set correctly.

Door station DIP switch settings:

No.1 = **00** (Default setting)

No.2 = **10**

No.3 = **01**

No.4 = **11**

DIP switch 3 needs to be set to 0 for mechanical call button operation.

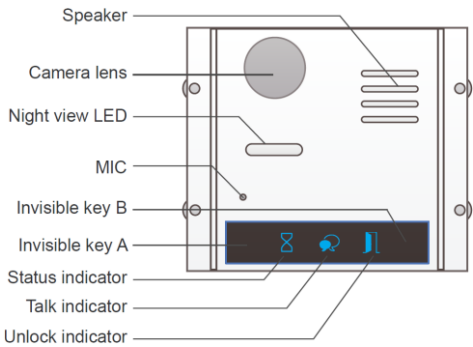
DIP switch 4 is for call button automatic allocation. Call buttons are automatically assigned to the indoor unit. The default setting for this DIP switch is 0.

DIP switch 5 is for setting door unlock time. 0 is the default setting for one second delay and 1 is the setting for five second delay.

DIP switch 6 is for activating keys A and B which are used for programming camera module functions.

The default setting for this DIP switch is 0.

Video module functions and programming



Restore factory settings.

With **Camera Module** in standby, short out the Exit Button Ports (EB+ and EB-) and toggle DIP switch 6 four times.

A long Beep will sound, and all three indicators will blink at the same time meaning the **Restore Factory Settings** is in progress.

Once the three Indicators turn off with a warning sound of a long Beep, it means the **Restore Factory Settings** is complete.

Activate Programming mode and touch keys, A and B

Key A and key B cannot be used on the camera module until activated.

To activate the keys and set the unit to programming mode, put DIP switch 6 to ON position.

DIP switch 6 must be set to ON.

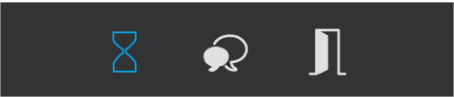
Other DIP switches must be set to OFF.

When programming is finished, put DIP switch 6 back to OFF position.

Sound theme settings.

When the **Camera Module** is in programming mode:

1. Press and hold Key A for 3 seconds to enter the **Sound Theme Mode**.
2. The **Status indicator** will turn on and current theme sound, will play.
3. Press Key A again to play the next theme.
4. Press Key B to exit.



Sound volume settings.

When the **Camera Module** is in programming mode:

1. Press Key B to enter **Tune Volume Setting**, the **Talk indicator** will turn on and play the sound at the current volume.
2. Press Key A to increase/decrease the volume (loop setting)
3. Press Key B to exit.



Talk volume settings.

1. During the conversation, press and hold Key B for 3 seconds to enter the **Talk Volume Setting**. The **Talk indicator** will turn on with a long Beep followed by a short Beep.
2. Press Key A to increase/decrease the volume (loop setting).
3. Press Key B to exit.



Electric lock mode settings

Set the **Camera Module** in to Programming mode:

1. Press Key A, the **Unlock Indicator** will turn on with the warning sound of a long Beep followed by a short Beep!
2. Press Key A again to select lock mode:

a. Fail Locked Lock Mode = 0 (default)

Contact status: Normally Open

The **Status indicator** blinks once with the warning sound of a single long Beep.

b. Fail Unlocked Lock Mode = 1

Contact status: Normally Closed

The **Status indicator** blinks twice with the warning sound of a long Beep followed by a short Beep.



Lock time delay setting

When the **Camera Module** is in programming mode:

1. Press Key A. The **Unlock indicator** turns on with the warning sound of a long Beep followed by a short Beep.
2. Press Key B and hold for desired lock opening time.

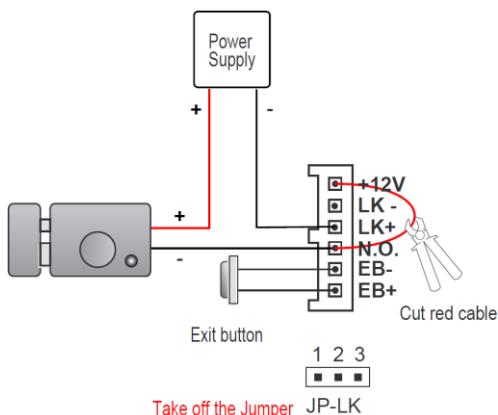
The **Unlocking Time** delay is indicated by the number of times that the **Status indicator** blinks (set in seconds). For example: The **Status indicator** blinks four times, that means the unlocking time is 4 seconds.



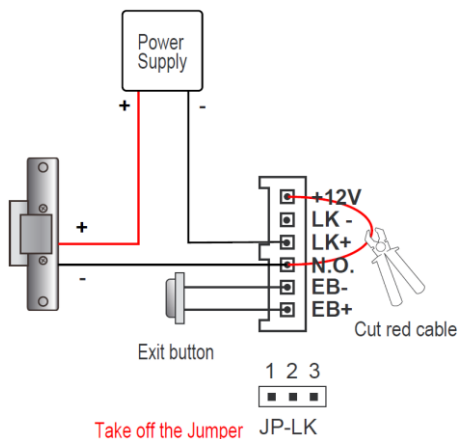
Electric lock with additional power supply.

1. Contact rating is limited to **24V DC and MAXIMUM CURRENT of 1000mA.**
2. The jumper **JP-LK** must be taken off before connecting.
3. Set electric lock mode using touch keys A and B

Fail Locked Lock Mode = 0 (default)



Fail Unlocked Lock Mode = 1



Electric lock powered by internal 12V DC output.

Internal output is limited to **12V DC** and **MAXIMUM CURRENT of 200 mA.**

Jumper setting **JP-LK**:

- 1-2** Normally Closed (Fail Unlocked)
- 2-3** Normally Open (Fail Locked)

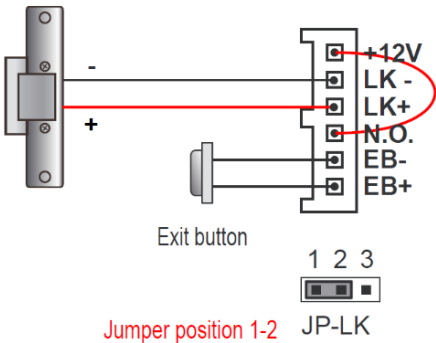
Triggering a Gate automation:

When triggering a gate, must use A2601 auxiliary relay.

NOTE: Do not connect Gate contacts to Video module as this will cause permanent module damage.

Normally Closed (Fail Unlocked)

12V DC **200mA MAX**



Normally Open (Fail Locked)

12V DC **200mA MAX**

