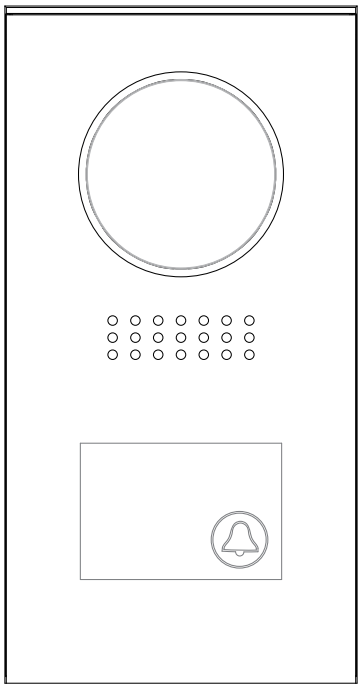
2 -Wire Video Entry System

User Manual

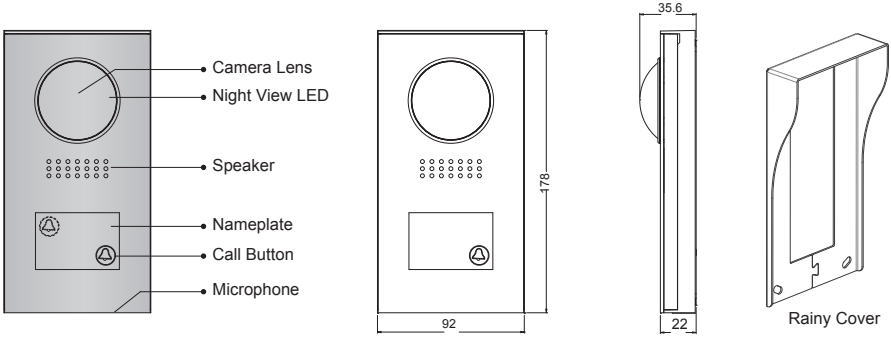


DT594 DT594-2

Introduction

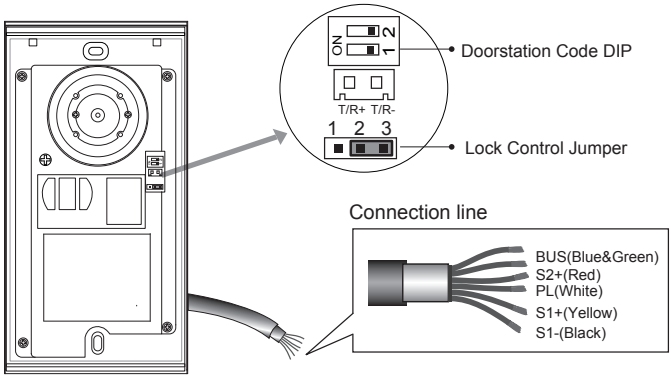
The door station is designed with high resolution color CCD camera, it provides wide angle of 105^0 for DT 2-wire intercom system. The high white LED for night view makes the door station working efficiently at night.
The front panel is made of plexiglass with stainless steel with rain cover for better protection against water. One or two touch sensor call button can be selected. The large name label with white backlight is covered by a fully secured and flameproof glass plate.

Parts and Function



Note:the door station support two call buttons to control two users.

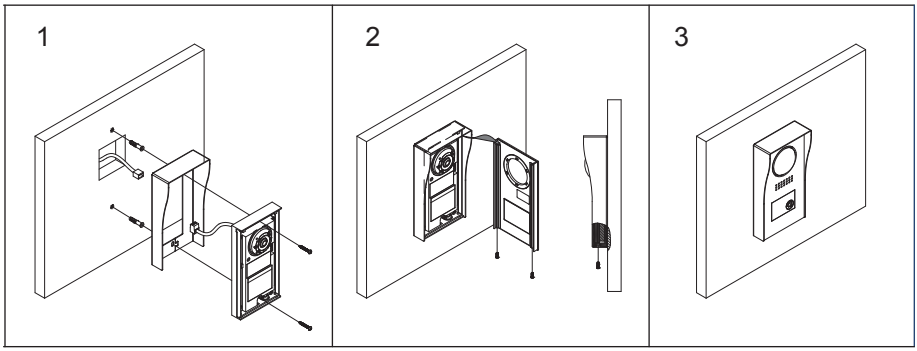
Terminal Description



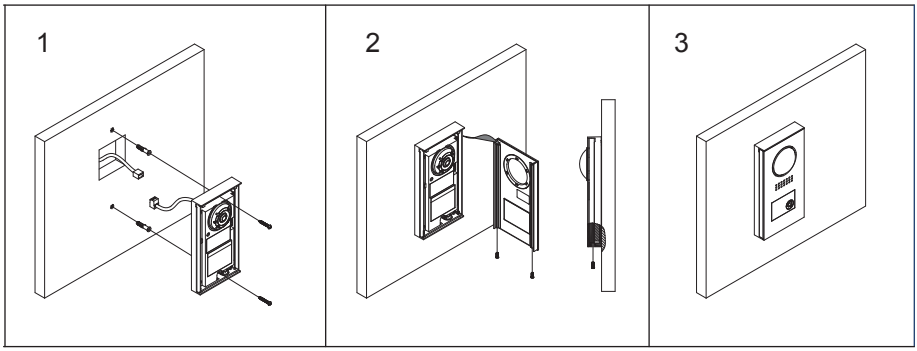
Lock Control Jumper: To select the lock type.
Door Station Code DIP: Total 4 door stations can be supported.
T/R+,T/R-: USB-RS485 communication terminal.
Main Connect Port: To connect the bus line and the electronic locks.
BUS(Blue&Green): Connect to the bus line, non-polarity.
PL(White): External lock power input, connect to the power positive(power +).
S1+(Yellow): The first lock power(+) output.
S2+(Red): The second lock power(+) output.
S-(Black): Lock power(-) output.

Door Station Mounting

Mounting with rainy cover



Mounting without rainy cover



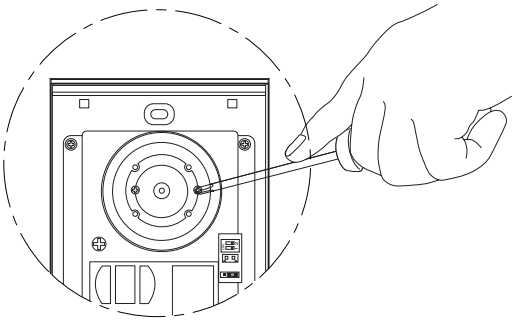
The location of the unit should keep away from snow,rain,and intensity light.

Installation Steps:

Installation height for door station usually is 145~160cm.

1. Use screws to fix the back panel and rainy cover(if mounting with rainy cover) to the wall after connect the cable correctly.
2. Attach the front panel to the back panel, then use the screw to fix it.

Adjusting Camera Angle



Use a screwdriver to loosen the screw and then adjust the angle of the camera ,then fix the screw.

5.2 Electric Lock Connection

5.2.1 Door Lock Controlled with Internal Power

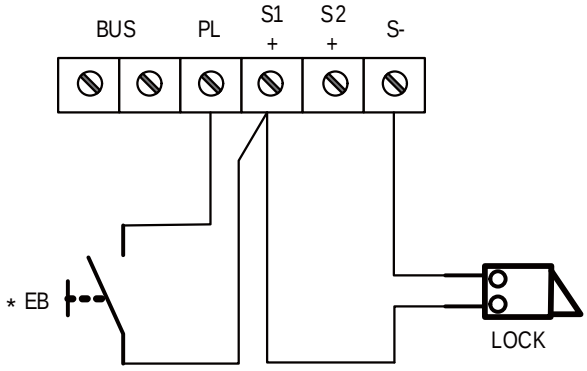
Note: Doorentryonline Ltd can provide additional relays or power supplies for all types of lock release

1. Electronic lock of Power-on-to-unlock type should be used
2. The door lock relay is limited to 12V, and the holding current must be less than 350mA
3. The door lock control is not timed from an Exit Button (EB)
4. The **Unlock Mode** Parameter of the Monitor must be set to 0 (by default)

connect one lock

Connect one lock

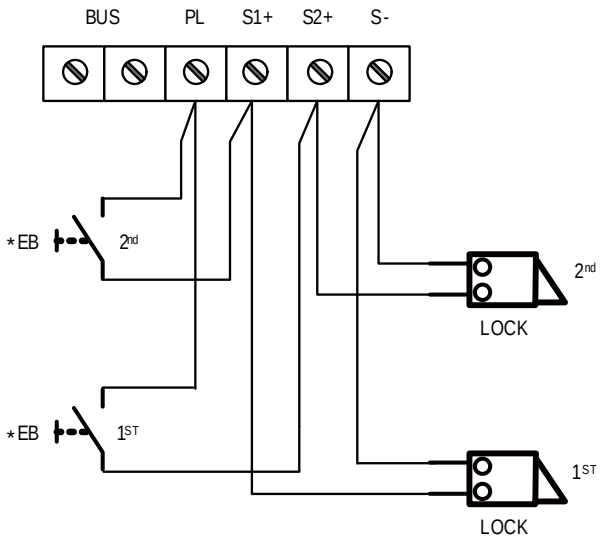
Jumper position in 1-2



connect two locks

Connect two locks

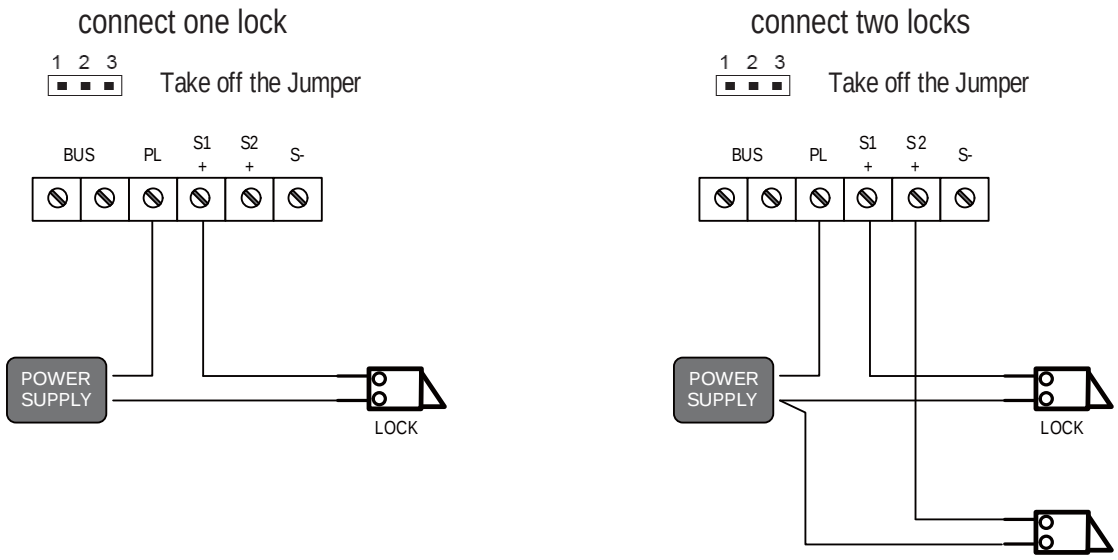
Jumper position in 1-2



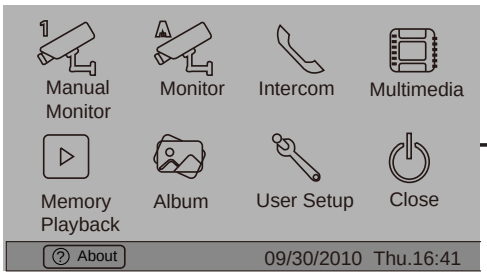
5.2.2 Door Lock release connected with additional power supply

Note: Doorentryonline Ltd can provide additional relays or power supplies for all types of lock release

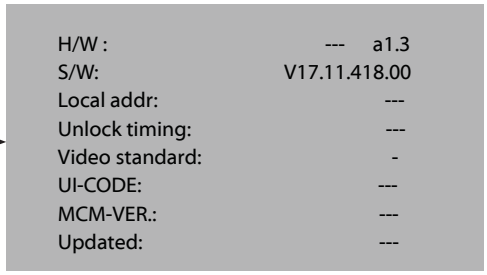
1. The external power supply must be used according to the lock
2. The jumper must be taken off before connecting
3. Setup the **Unlock Mode** of Monitor for different lock types
   - Power-on-to-unlock type:Unlock Mode=0 (by default)
   - Power-off-to-unlock type:Unlock Mode=1



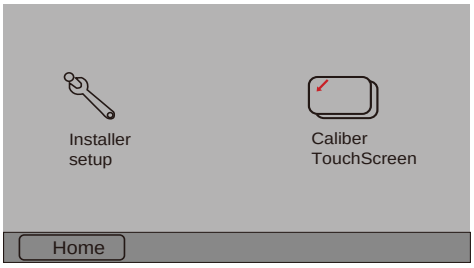
5.2.3 Unlock parameter settings (set on monitor)



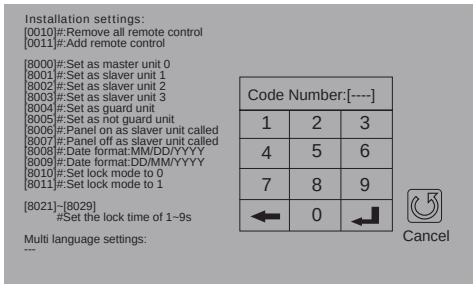
1.Touch ⓘ About item on main menu page.



2.Touch the screen anywhere and hold for 2 seconds.



3.Touch Installer setup item

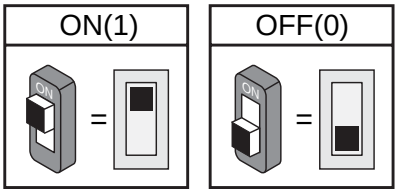


4.A digital keypad and setting instructions will be shown.

Note:

1. Connect the DT591/592 correctly before setting.
2. The parameter will be saved in the DT591/592 automatically, so you need only set on one monitor.
3. The above diagram is for icon menu series 27SD monitors only, for text menu series 27 monitors, please refer to the corresponding user manual.

6.Setup



6.1 DIP Switch Settings on the Door Panel

Total of 2 DIP switches that can be configured.The switches can be modified either before or after installation.

Bit state	Descriptions
	Default setting, ID = 0(00), set for the first door panel.
	ID = 1(10), set for the second door panel.
	ID = 2(01), set for the third door panel.
	ID = 3(11), set for the fourth door panel.

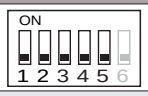
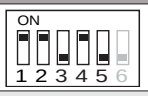
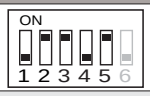
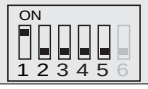
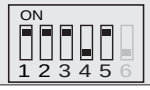
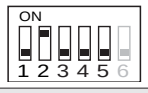
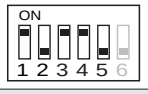
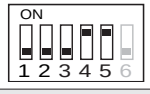
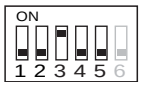
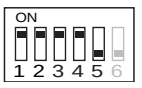
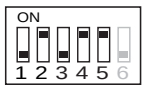
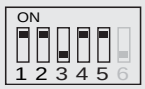
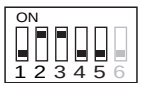
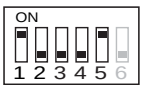
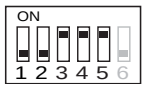
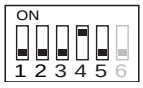
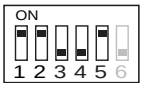
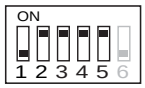
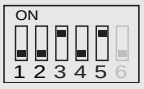
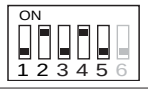
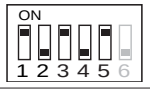
6.2 DIP Switch Settings on the Monitor

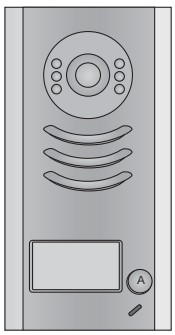
There are 6 bit switches in total. The DIP switches are used to configure the User Code for each Monitor.

Bit-6 is the video impedance switch, which has to be set to ON if the Monitor needs to match the video impedance, is at the end of the bus line or is used with DBC4S, otherwise set it to OFF.

Bit state	Setting	Bit state	Setting
	The monitor is not at the end of the bus line.		The monitor is at the end of the bus.

Bit-1 to Bit-5 are used for the User Code setting. The values are from 0 - 31, totalling 32 different codes.

Bit state	User Code	Bit state	User Code	Bit state	User Code
	Code=0		Code=11		Code=22
	Code=1		Code=12		Code=23
	Code=2		Code=13		Code=24
	Code=3		Code=14		Code=25
	Code=4		Code=15		Code=26
	Code=5		Code=16		Code=27
	Code=6		Code=17		Code=28
	Code=7		Code=18		Code=29
	Code=8		Code=19		Code=30
	Code=9		Code=20		Code=31
	Code=10		Code=21		



Note: Monitors connected to button A must have a user code set from 0 to 15

Monitors connected to button B must have a user code set from 16 to 31

DIP switch 6 must be set to ON if using a DBC4S unit

6.3 Notices

Name	Description	Usage
PS5-24V	Power supply,85~260Vac input,24Vdc/4.5A output,10 DIN modules	Connect with multi door panels or multi monitors (up to 2 or above)
PS4-24V	Power supply,85~260Vac input,24Vdc/1A output,for basic kit only, 4 DIN modules	Connect with one door panel and one monitor only