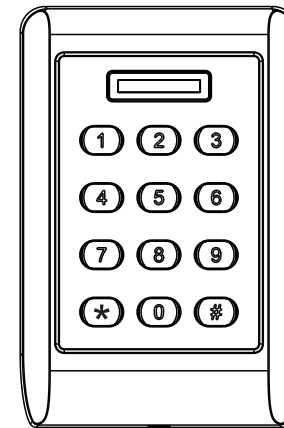


# Instruction Manual

## **ACCESS CONTROL**

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### **DH16A-60DTE**

Model 60 with plastic keypad,  
stand alone access control

### **DH16A-60DTQE**

Model 60 with plastic keypad,  
networked access control

**RoHS** 

#### Add the card in group

Enter to the setting mode first:

Press the button **[\*]** and **[9]** ,the yellow LED indicator will be flashing, then press **[0]** and **[1]** , a sound Bi as reminder. Then input three-figure( 000-999 any position express will add the card from this position, for example input 050 means it will add the card from 50 ), then input three-figure number means the number you want to add ( for example add 50 pcs of cards input 050, if add 150 pcs of cards input 150), after adding cards, a sound Bi as reminder. Swipe the first added card or input the first added card 8 digits serial number, a sound Bi as reminder, means added in successfully.

Press **[#]** to quit setting mode.

#### Modify the user code

Enter to the setting mode first:

Press the button **[\*]** and **[9]** ( the yellow indicator will be flashing ), then press the button **[0]** and **[2]** , input 3 digits position number ( any digits between 000 - 999 ), then input the code: X X.... ( the length of the password should be same as admin code ), and a sound Bi as a reminder, means password setting successfully.

Press **[#]** to quite the setting mode.

#### Setting access control ID (for networked)

Enter to the setting mode first:

Press the button **[\*]** and **[9]** ( the yellow LED indicator will be flashing), then press the button **[0]** and **[3]** ( a sound Bi as reminder), then input 6 digits ID number ( a sound Bi as reminder ), means ID setting successfully.

Press **[#]** to quite the setting mode.

### Modify administrator mode

Enter to the setting mode first:  
 Press the button **[\*]** and **[3]** ( the yellow LED indicator will flashing ), then input a new administrator code twice ( the length of the new admin code must as same as the old one ) and a sounds Bi means modify successfully.  
 Press **[#]** to quite the setting mode.

### Add the master card

Enter to the setting mode first:  
 Press the button **[\*]** and **[7]** :

1. The mode indicator flash green, it indicates there is no master card stored, swipe the card, a sounds Bi means add the master card successfully.
2. The mode indicator turn green, it indicates there is already data existed, press the button **[\*]** twice to clean up the data, and then the indicator will flash green, ( it can add the master card directly ), swipe the card, a sounds Bi means add the master card successfully.

Press **[#]** to quite the setting mode.

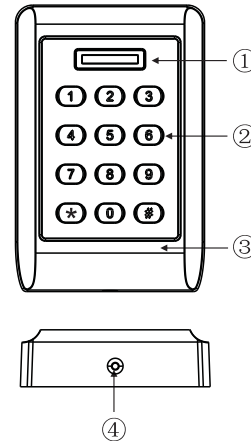
### Using the master card enter the setting mode

Swipe the master card, the indicator will flash yellow whilst a 'Bi' will be heard, enter the setting mode, and can do the each setting, swipe the card again, rapid beep sound will be heard, Exit the setting mode, the power indicator will turn green.

The access control will be locked for 60s if the mistaken code continuously input or swipe the invalid card for 5 times ( both the keypad and card swiping are not available during the 60 second )

Detect the door status: when someone opens the door and comes in, the door is closed, the system will automatically detect the door status and lock the door even though it is still in delay period.

**Notice:** The enter code must be different with the admin code.



NO.	description
①	status indicator
②	keypad
③	inductor
④	screw

**Operating environment:**  
 environment temperature: -20°C ~ +50°C  
 Environment relative humidity : ≤95%

**Operating voltage/current:**  
 input DC: +12V ~ +15V  
 input AC: 12V ~ 15V  
 standby current: ≤80mA  
 work current: ≤110mA

**Application card:**  
 ID card (default)  
 T5557 card/T5567 card (required setting)

**Inductor distance:** ≤5cm

**Capacity :**  
 1000 ID cards and 1000 sets of code

DH16A-60DTE  
 DH16A-60DTQE

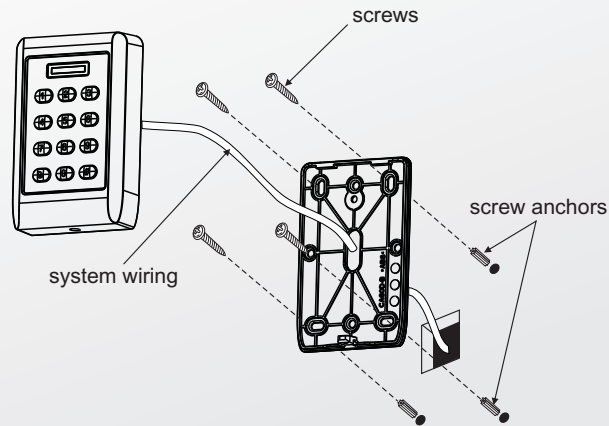
### Specifications / Features

1. Build-in EM reader.
2. Frequency: 125KHz.
3. Inductor distance ≤5cm.
4. Capacity: 1000 ID cards and 1000 sets of code to unlock the door.
5. Card access, code access or combined access.
6. Keypad operation.
7. Alarm for light detecting if tearing open.
8. Watchdog recovery, power reset. Can connect to external unlock button.
9. Unlock delay time: 0-99 seconds.
10. IP degree: 65.
11. Dimension: 120\*76\*22mm.
12. Unlock door methods: card/code/card plus code, and unlock button. It can detect door status.

## Installation

**Before installation , position the location where the access control is mounted. Operation according to the following steps:**

1. Use specialized tool to open the access control and remove the back cover.
2. Locate the provided drilling template accurately. The drilling holes is marked as B. Drill four holes according to the location of B.
3. Use the screws provided to mount the back case on the wall. Pull the wire through the central hole and keep the back case level.
4. Connected the wire according to the wiring diagram on the back.
5. After the connection of the access control, use screws to fasten the access control with the back case.



## Delete all user card and codes, restores to factory defaults

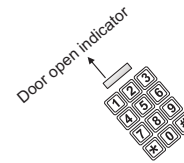
Enter to the setting mode first:

Press the button and (yellow indicator will flash yellow), then press the button twice (a continuous Bi will be heard, and the indicator will turn yellow) means delete all the card and code successfully, all the setting card and code are invalid.

Press the button and (yellow indicator flashing), press the button twice ( Bi sounds, indicator turn yellow), it indicates it restores to factory defaults successfully, all the setting restored to the factory status.

Press to quite the setting mode.

If entered the wrong information, Bi Bi sounds, In the setting mode, the device will turn back without any operations in 30 seconds, and Bi Bi will sounds. If not in the setting mode, the device will turn back if the button press is not finished in 5 second, and the Bi Bi sounds. Under the mode of open the door using the card and the code, operated either method and not finished another one, the device will turn back in 5 second and the Bi Bi sounds.



When the door electrical relay works, the indicator will turn green.

In case forget the admin code, press the and hold on, and then power on, Bi sounds, means modify the admin code successfully, if the digit length is 2 the admin code is 12, and so on, the maximum length of the digits is 6.

## The pickproof alarm

the built-in buzzer will send a continuous beeping if the photoresistor sensor is directly exposed into the light. The buzzer will be off automatically in 60 seconds when the light is no longer detected, or by entering the admin code.

### Add card and password to unlock

Enter to the setting mode first:  
 Enter any number from 000-999 (Yellow light flashes. If red light is on, it indicates the number stores card / code. Press **[\*]** twice to clear the card/code. Then, add new card and code. If green light is on, it indicates the number does not store card/code. Card and code can be stored to this number). Then, swipe a card (Bi sound indicates the card is added successfully). Enter code XX...(code is set according to the code digit setting). Bi sound heard indicates the code is added successfully.  
 Press **[#]** to exit the setting mode.

### Delete card and code for unlock function

Enter to the setting mode first:  
 Enter any number between 000-999. If red light is on, it indicates the number stores card and code. Press **[\*]** twice to clear the card and code in the number.  
 Press **[#]** to exit the setting mode.

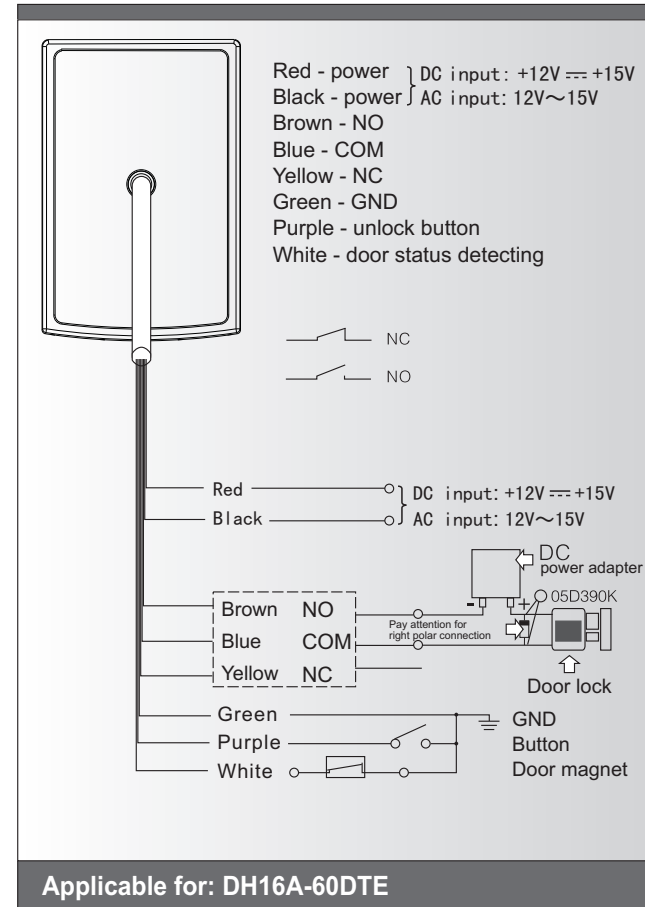
### Change the relay unlock time

Enter to the setting mode first:  
 Press the button **[\*]** and **[1]** (the yellow indicator flashing), input any two digits number between 00-99 (Bi sounds, the yellow indicator stopped flashing) means the unlocking time, for example 05 means setting the relay unlock time in 5 seconds, but if setting 00 it means swipe card or input the password once as open the door, swipe the card or password again as close the door.  
 Press **[#]** to quite the setting mode.

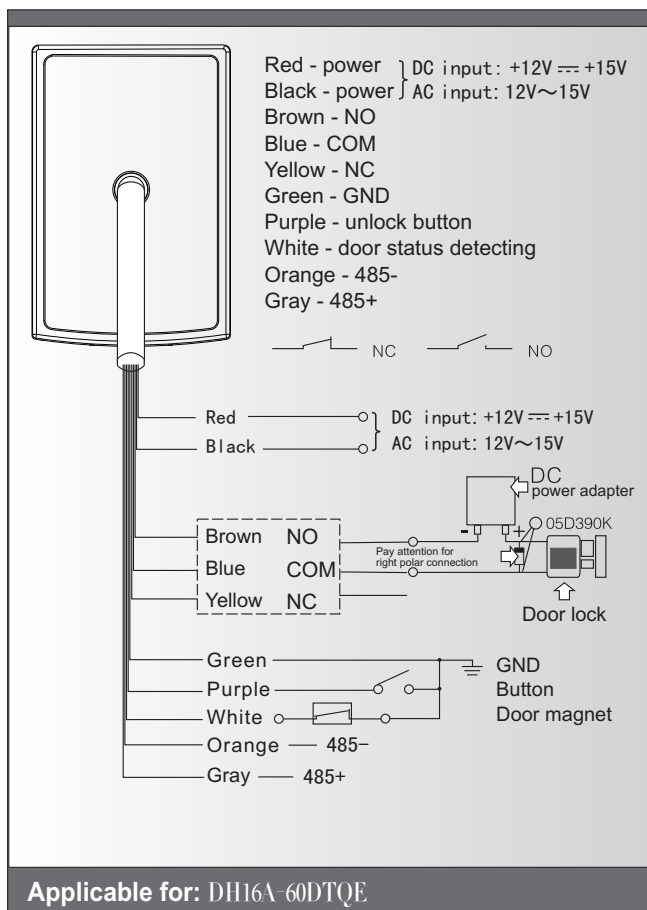
### Turn on / off the pickproof alarm

Enter to the setting mode first:  
 Press the button **[\*]** and **[6]** (mode indicator will flash yellow), follow with the **[0]** and **[1]** (a beep will be heard and the yellow indicator stop flashing), pickproof alarm is turned off.  
 Press the button **[\*]** and **[6]** (mode indicator will flash yellow), follow with the **[0]** and **[2]** (a beep will be heard and the yellow indicator stop flashing), pickproof alarm is turned on.  
 Press **[#]** to exit the setting mode.

### Wiring diagram (stand alone)



## Wiring diagram (networked)



## Operation instruction

1. Store 1000 cards and relative codes, use card/code, card and code to unlock door
2. Default management code is 1234
3. Steps to enter to the setting mode:  
 Press management code twice ( 1234&1234 . If the code is set as 2-digit code, the default code changes to 12. Code can be set as 2-6 digits. If the code is set as 6-digit, the default code is 123456 ), and then it is in the setting mode. The yellow light is on.

### Unlock door by card/code

Enter to the setting mode first:

- a. Press **[\*] [0]** (yellow indicator light flashes), then press **[0] [0]** (BI sound. Yellow indicator light stops flashing ). It is set as using card to unlock door only.
- b. Press **[\*] [0]** (yellow indicator light flashes), then press **[0] [1]** (BI sound. Yellow indicator light stops flashing). It is set as using card or code to unlock door.
- c. Press **[\*] [0]** (yellow indicator light flashes), then press **[0] [2]** (BI sound. Yellow indicator light stops flashing ). It is set as using card & code to unlock door.

Press **[#]** to exit the setting mode.

### Set the code digit

Enter to the setting mode first:

Press **[\*] [0]** (yellow indicator light flashes), then press **[0] [X]** ( BI sound ). Enter the code digit X (X=2,3,4,5,6. 2 indicates 2-digit code, 3 indicates 3-digit code...). Bi sound heard indicates the setting is successful. If heard three quick BI sound, it indicates the new code digit is the same as the previous. There is no change implemented. Press **[#]** to exit the setting mode.



### NOTICE:

If the code digit is changed successfully, all the cards and codes stored are cleared.