



Instructions for automatic door opening and closing

versions: <1.0.1>

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1 Introduction

1.1 Introduction

In order to facilitate the APP users to open and close the Door automatically within a certain period of time, python script is used to modify the open option in the Door Lock on the webpage to control the opening and closing of the Door.

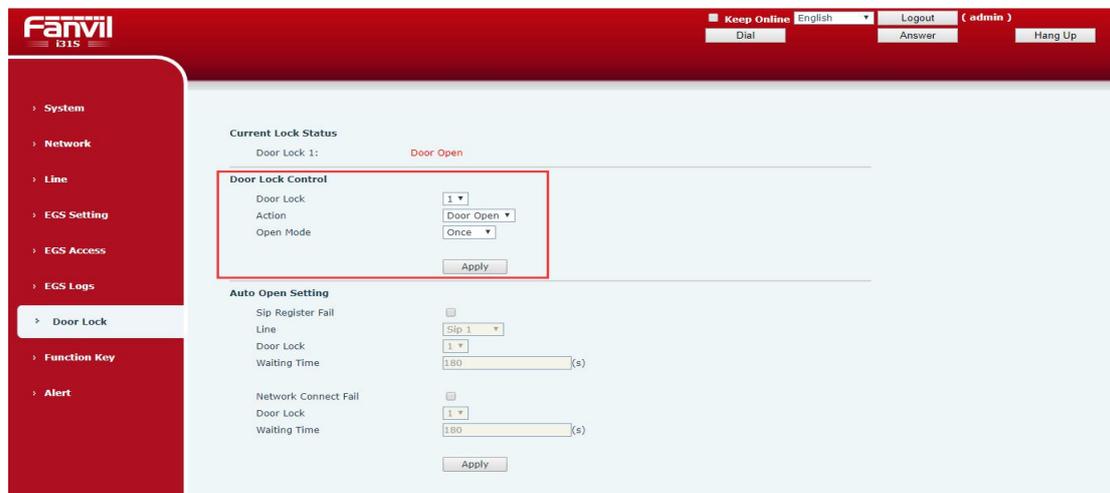
1.2 Applicable model

This document is applicable to APP of access control and door opening

2 Instructions

2.1 Implementation

Implementation: By modifying the Door Lock option on the webpage, the automatic opening and closing of the Door phone can be controlled



Automatic opening and closing time (Monday to Friday): 9:00(door opening), 12:30(door closing), 13:30(door opening), 18:00(door closing) during weekdays

2.2 Storyboard Briefing

Script run:

1. Install the python + selenium environment

Python version: Above the version 3.3

Installation details for reference: \\172.16.1.8\share\documents\ research and development \ department information \ technical support \ training PPT \ commonly used test server and software description \ python automatic test environment under Windows setup.doc

2. IP of door phone: enter the file 'context_i31s.py' and modify IP address of the door phone

```

from selenium import webdriver

TEST_PHONE_IP = '172.16.90.225'
TEST_WEB_URL = "http://%s" %(TEST_PHONE_IP)
TEST_BROWSER = "Chrome"

from tests.web.context import Context

class ContextI31S(Context):
    def __init__(self):
        Context.__init__(self, ip=TEST_PHONE_IP, webUrl=TEST_WEB_URL)

```

3. Access control password: enter the file 'i31s_open_door_time plan.py' and modify the access control username and password

```

if ('Sat' != week) and ('Sun' != week):
    if ('09' == hour and '00' == minute and '00' == second) or ('13' == hour and '30' == minute and '00' == second):
        print("%s,%s:%s:%s"%(week, hour, minute, second))
        """ 登录网页 """
        print("open door\n")
        context = Context()
        driver = context.driver
        webUrl = context.webUrl
        Logon(driver, webUrl, user="admin", password="admin")
        page = DoorLockCtrl(driver)
        page.switch_to_without_top_menu()

        """ 定位门禁开关选项并开启 """
        page.doorLockControlActionOpen()
        page.doorLockOpenmodeAlways()
        page.clickApply()
        page.waitForSystemProcessingFinish()

        """ 关闭网页 """
        Logout(driver)
        context.quit()
    if ('12' == hour and '30' == minute and '00' == second) or ('18' == hour and '00' == minute and '00' == second):
        print(week, hour, minute, second)
        """ 登录网页 """
        print("%s,%s:%s:%s" % (week, hour, minute, second))
        context = Context()
        driver = context.driver
        webUrl = context.webUrl
        Logon(driver, webUrl, user="admin", password="admin")
        page = DoorLockCtrl(driver)
        page.switch_to_without_top_menu()

        """ 定位门禁开关选项并关闭 """
        page.doorLockControlActionClose()
        page.doorLockOpenmodeAlways()
        page.clickApply()

```

4. Modify the opening time: enter the file 'i31s_open_door_time plan.py'

```

if ('Sat' != week) and ('Sun' != week):
    if ('09' == hour and '00' == minute and '00' == second) or ('13' == hour and '30' == minute and '00' == second):
        print("%s年%s月%s日,星期:%s" % (time.strftime("%Y"), time.strftime("%m"), time.strftime("%d"), week))
        print("%s:%s:%s" % (hour, minute, second))
        print("open door\n")

        """登录网页"""
        context = Context()
        driver = context.driver
        webUrl = context.webUrl
        Logon(driver, webUrl, user="admin", password="wladmin")
        page = DoorLockCtrl(driver)
        page.switch_to_without_top_menu()

        """定位门禁开关选项并开启"""
        page.doorLockControlActionOpen()
        page.doorLockOpenModeAlways()
        page.clickApply()
        page.waitForSystemProcessingFinish()

        """关闭网页"""
        Logout(driver)
        context.quit()

```

5. Modify the closing time: enter the file 'i31s_open_door_time plan.py'

```

if ('12' == hour and '30' == minute and '00' == second) or ('18' == hour and '00' == minute and '00' == second):
    print("%s年%s月%s日,星期:%s" % (time.strftime("%Y"), time.strftime("%m"), time.strftime("%d"), week))
    print("%s:%s:%s" % (hour, minute, second))
    print("close door")

    """登录网页"""
    context = Context()
    driver = context.driver
    webUrl = context.webUrl
    Logon(driver, webUrl, user="admin", password="wladmin")
    page = DoorLockCtrl(driver)
    page.switch_to_without_top_menu()

    """定位门禁开关选项并关闭"""
    page.doorLockControlActionClose()
    page.doorLockOpenModeAlways()
    page.clickApply()
    page.waitForSystemProcessingFinish()

    """关闭网页"""
    Logout(driver)
    context.quit()

```

6. Run the script: run the file 'i31s_open_door_time plan.py'. If there is no pycharm, right-click this file and select 'Edit with IDLE' to run

Note: the access control (i31s) version needs to be upgraded to 2.1.1.3687

This script is written according to this version. If the version is changed, it is uncertain whether the access control web page layout is changed. If the page layout is changed, the script will be invalid