公共办公室控制工艺一览表

List of Control Algorithm in Public Office

1. 设备equipment：

数字化可调光驱动电源 / 人体占有感应器 / 温控器 / 新风机 / 空气质量传感器 / 电动窗帘 / 噪音传感器 /应急灯 / 触摸屏 / 门禁读卡器 / 走道摄像头

Digital adjustable light drive power supply/occupancy sensor/thermostat/ventilation fan blower/air quality sensor/electric curtain/noise sensor/emergency lamp/touch screen/access card reader/aisle camera

2. 功能function：

照明系统 Lighting	功能function	类型type	选项option
单灯照度输出 Single lamp illumination output	单灯0-100%照度输出控制，并提供输出反馈状态 Single lamp 0-100% illumination output control and output feedback state	基本 basic	
人体占有传感器与灯具联动 Human Possession Sensor and Lamp Linkage	有人时自动调亮传感器对应区域位置的灯具 Lighting fixtures that automatically turn on the position of the corresponding area of the sensor when there is occupied	基本 basic	
人体占有调整照度延时在上下班时间可设置 Human occupancy adjustment illumination delay can be set during working hour & non working hour	在传感器无人时，经过一段延时，自动调暗灯具，该延时在上班时段和下班时段可各自设置 When the sensor is unoccupied, after a period of delay, automatically dimming the lights. The delay can be set in the working and off working hours respectively.	基本 basic	
调光渐进时间可调 Adjustable dimming fading time	灯具的亮度调节速度可以调节，在上下班时段、调亮和调暗的速度可以各自调整（上班时段，渐亮 秒，渐暗 秒；下班时段，渐亮 秒，渐暗 秒） The brightness adjusting speed of lamps can be adjusted, and the speed of brightening and darkening can be adjusted separately during working hours (working hours, gradually brightening seconds, gradually darkening seconds; after work hours, gradually brightening seconds, gradually darkening seconds).	基本 basic	
上班时段无人最低照度功能 unoccupied Minimum Illumination Function during Work Time	上班时段如无人时，可设置最低照度 % Minimum illumination % can be set during working hours if when unoccupied is present.	基本 basic	
工作时段内不关灯 Always dim lights above 0% during working hours	上班时段如无人时，最低照度可大于0% The minimum illumination can be greater than 0% during working hours if when unoccupied is present.	基本 basic	
日程表控制 Schedule control	日程表设置上下班时段 Schedule setting commuting hours	基本 basic	
下班关灯提醒功能 Off-duty light-off reminder function	关灯前闪烁提醒关灯 Flashing before turning off the light reminds peole to leave	基本 basic	
夜间摄像头照明 Night Camera Lighting	夜间保持最低亮度满足摄像头要求 Keep minimum brightness at night to meet camera requirements	基本 basic	
手动强制打亮全部灯具 manual override lighting of all lamps	手动一键点亮所有灯具（此时灯具100%亮度） Manual key to light all lamps (100% brightness)	基本 basic	
应急点亮所有灯具 Emergency lighting of all lamps and lanterns	应急照明，紧急情况发生时，点亮所有灯具 Emergency lighting. When an emergency occurs, light all lights.	基本 basic	
中控系统集成所有灯具和传感器 The central control system integrates all lamps and sensors	中控系统提供灯具及传感器状态反馈 Central Control System Provides State Feedback of Lamps and Sensors	高级 advanced	
抗光衰调光功能 Anti-photofading and dimming function	通过设置最大亮度抵消光衰造成的亮度下降 restoration of brightness caused by light fading is offset by setting maximum brightness	高级 advanced	
员工通过网页调整照度功能 Employees adjust illumination function through web pages	员工通过网页可以调整区域的亮度设置 Employees can adjust the brightness settings of the area through the web page	高级 advanced	
无线自获能传感器 Wireless self energy harvesting Sensor	无线自获能人体 /照度感应器，无需布线 Wireless self energy harvesting & capture human body/illumination sensor without wiring	高级 advanced	
色温节律照明 circadian rhythmsLighting	可以模拟太阳光一天的色温，提供4000-6000K节律照明 It can simulate the color temperature of sunlight in a day and provide 4000-6000K rhythmic lighting.	高级 advanced	
色温可通过房间温度调整 Color temperature can be adjusted by room temperature	色温可以与房间温度状态配合使用，例如冬季房间温度较低时配暖色，夏季房间温度较低时配冷色 Color temperature is auto adjustable with room temperature. For example, when room temperature is low in winter, the color temperature will become warm while in summer it will become white (cold color)	高级 advanced	
色温可通过室外天气调整 Color temperature can be adjusted by outdoor weather	色温可以与户外天气调整，例如户外下雨时房间调成暖色 Color temperature can be automatically adjusted with outdoor weather. For example, if it's rainy day, the color temperature would become warm.	高级 advanced	
色温可通过室外照度调整 Color temperature can be adjusted by outdoor illumination	色温可通过室外照度调整 Color temperature can be adjusted by outdoor illumination	高级 advanced	
色温可通过二氧化碳浓度调整 Color temperature can be adjusted by carbon dioxide concentration	色温可通过二氧化碳浓度调整 Color temperature can be adjusted by carbon dioxide concentration	高级 advanced	
色温调整渐进时间可调 fading time of Color Temperature is Adjustable	色温调整渐进时间可调 fading time of Color Temperature is Adjustable	高级 advanced	
RGB三色通过网页调整设置 RGB Tri-color Settings Adjusted by Web Page	可以通过网页设置 RGB颜色 RGB colors can be set through web pages	高级 advanced	
实时照度数据反馈 Real-time illumination data feedback	显示区域实时照度 Real-time illumination of display area	数据分析 Data analysis	
实时照度曲线 Real-time illumination curve	照度历史曲线 Illumination history curve	数据分析 Data analysis	
实时人体感应数据反馈 Real-time human body occupancy data feedback	显示实时人体感应状态 Display Real-time occupancy State	数据分析 Data analysis	
当日/周感应器人体占有时间统计 Statistics of Human Occupancy Time of Day/Week Sensors	人体感应历史曲线 Human body occupancy history curve	数据分析 Data analysis	
实时感应器通信状态反馈 Real-time sensor Communication State Feedback	传感器通信状态反馈 Sensor Communication State Feedback	数据分析 Data analysis	
单灯故障反馈 Single lamp fault feedback	单灯故障时在页面反馈 Page Feedback in Single Lamp Failure	数据分析 Data analysis	
单灯能耗/负荷统计 Energy Consumption/Load Statistics of Single Lamp	单灯能耗统计 Energy Consumption Statistics of Single Lamp	数据分析 Data analysis	
单灯燃烧小时统计 Statistics of Single Lamp Burning Hours	单灯燃烧累计小时统计 Accumulated Hours Statistics of Single Lamp Burning	数据分析 Data analysis	

电动窗帘 Electric curtain	功能function	类型type	选项option
每日窗帘自动恢复初始位置 Daily Curtain Automatic Restoration Initial Position	每日下班后窗帘复位 Curtain restoration after work every day	基本 basic	
窗外热辐射遮挡功能 Outside window thermal radiation shielding function	空调制冷模式时，如室外照度超过 300Lux（可设置）且无人时下降，以阻挡户外热辐射 Air conditioning refrigeration mode, such as outdoor illumination more than 300 Lux (settable) and when when unoccupied drops, to block outdoor thermal radiation	高级 advanced	
窗外热辐射导入功能 Out-of-window Thermal Radiation Import Function	冬季制热模式时，每日自动保持窗帘升起状态 In winter heating mode, the curtain will be raised automatically every day.	高级 advanced	
中控系统手动设置电动窗帘调整 Manual setting of electric curtain adjustment in central control system	中控系统远程设定电动窗帘升降 Remote Setting of Electric Curtain Lift in Central Control System	高级 advanced	
上班时段无人时自动调整窗帘位置 Automatically adjust curtain position when when unoccupied is at work	上班时段时，如果区域无人时才调整窗帘位置 All blinds adjustments are made when there is unoccupied in the space. This logic is applicable during working hours. The purpose is to minimize noise from blinds moving.	高级 advanced	
上班时段夏季朝南遮阳帘无人时自动下降 When the sun shade facing south is unoccupied in summer, it drops automatically during working hours	上班时段夏季朝南遮阳帘无人时自动下降 When the sun shade facing south is unoccupied in summer, it drops automatically during working hours. The purpose is to save energy.	高级 advanced	
上班时段冬季朝南遮阳帘无人时自动上升 When the sun shade facing south is unoccupied in winter, it rises automatically during working hours	上班时段冬季朝南遮阳帘无人时自动上升 When the sun shade facing south is unoccupied in winter, it rises automatically during working hours. The purpose is to save energy.	高级 advanced	

噪音noise：	功能function	类型type	选项option
窗口噪音采集（沿街） Window Noise Acquisition (along the street)	采集窗口噪音 Acquisition window noise	高级 advanced	
公共办公区域噪音数据采集 Noise Data Acquisition in Public Office Areas	噪音实时数据 Noise real-time data	高级 advanced	
噪音数据历史曲线 Noise Data History Curve	噪音历史曲线 Noise History Curve	高级 advanced	

温度控制系统 Temperature Control System	功能function	类型type	选项option
中控系统集成所有温控器 The central control system integrates all thermostats	所有温控器联网到中控系统 All thermostats are connected to central control system	基本 basic	
中控设定温控器设定温度 Centralized Setting thermostats Setting Temperature	中控系统可设定温控器房间设定温度 The central control system can set the temperature of the thermostat room.	基本 basic	
中控设定温控器模式 Setting thermostats Mode in Central Control	中控系统可设定温控器模式（冷、暖、停止） The central control system can set the mode of thermostats (cold, heat and stop)	基本 basic	
中控设定温控器风速档位上限 Setting upper limit of fan speed of thermostat in central control	中控系统可强制设定温控器风速档位上限 The upper limit of fan speed of thermostat can be set overrrode by the central control system	基本 basic	
中控设定温控器风速档位值 Setting the fan speed Value of thermostats by Central Control	中控系统可设定温控器档位值 thermostats Gear Value can be Set by Central Control System	基本 basic	
中控锁定单个温控面板功能 Central control locking single thermostat function	中控系统可锁定单个温控器 The central control system can lock a single thermostat	基本 basic	
中控设定房间冷区与热区 Central Control Sets Room Cold Zone and Hot Zone	设定房间冷区与热区（±3℃），例如南向窗为热区，北向为冷区 Set room cold zone and hot zone (+3 C), e.g. south-facing window as hot zone and north-facing cold zone.	基本 basic	
无人时保持经济模式 Keep the economic model when nobody is around	无人时进入经济模式（比设定温度高 /低3度或关闭） Enter economic mode when when unoccupied is available (3 degrees higher/lower than the set point or closed)	基本 basic	
有人时自动恢复正常模式 Automatically restore normal mode when occupied	感应到有人时附近的温控器进入正常模式 When occupied, the nearby thermostat enters normal mode.	基本 basic	
有人转换为无人延时可中控设定 occupied to non-occupied Delay Control Settings	中控系统设定有人延时时长， 分钟 The central control system has a set time delay of minutes.	基本 basic	
有人转换为无人延时在上下班时段的时长不等 Conversion from occupied to unoccupied hours varies during working hours & non working hours	上班时段延时 ，下班时段延时 Work time delay ，work time delay	基本 basic	
日程表控制开关 Calendar Control Switch	日程表控制温控器开关时间 Calendar Control thermostats Switching Time	基本 basic	
温控器节能运行模式 Energy-saving Operation Mode of thermostats	如设定温度在制冷 /制热模式下，房间温度低于 /高于设定温度 3度，自动关闭温控器 If the room temperature is below or above 3 degrees in the cooling/heating mode, turn off the thermostat automatically.	基本 basic	
下班时段温控器定时关 Timing off of thermostat during off-duty period	下班时段有人时，温控器也会每隔一段时间定时关 The thermostat will be shut off at regular intervals when there are people at work.	高级 advanced	
无线光能供电联网温控面板 thermostat for wireless energy harvesting network	无线联网、太阳能温控面板 Wireless Networking and Solar thermostat	高级 advanced	
无线光能供电联网温湿度传感器 Temperature and Humidity Sensor for wireless energy harvesting network	无线联网、太阳能温湿度传感器 Wireless Networking and Solar Temperature and Humidity Sensors	高级 advanced	
开窗时关闭附近的温控器 Close the nearby thermostat when opening the window	与窗磁联动，开窗时关闭附近温控器 Magnetically connected with the window, closing the nearby thermostat when opening the window	高级 advanced	
通过网页调整温度设置功能 Temperature Setting Function Adjusted by Web Page	通过网页调整温控器设定温度 Temperature Setting of thermostats by Web Page Adjustment	高级 advanced	
利用室外新风调节室内温度 Using Outdoor ventilation fan to Adjust Indoor Temperature	利用室外新风调节室内温度 Using Outdoor ventilation fan to Adjust Indoor Temperature	高级 advanced	
室内温度实时反馈 Real-time feedback of indoor temperature	实时室内温度数据 Real-time indoor temperature data	数据分析 Data analysis	
室内温度曲线 Indoor temperature curve	历史温度数据曲线 Historical temperature data curve	数据分析 Data analysis	

新风系统/空气质量 ventilation fan system/air quality	功能function	类型type	选项option
空气质量采集（CO2、VOC、颗粒物） Air quality data collection (CO2, VOC, particulate matter)	空气质量采集（CO2、VOC、颗粒物） Air quality data collection (CO2, VOC, particulate matter)	基本 basic	
湿度采集 Humidity collection	湿度采集 Humidity collection	基本 basic	
上班时段区域无人时自动打开新风最大 Automatically turn on ventilation fan when when unoccupied is at work	上班时段区域无人时自动打开新风最大 Automatically turn on ventilation fan when when unoccupied is at work	基本 basic	
上班时段区域新风自动打开新风 ventilation fan automatically opens during office hours	上班时段区域新风自动打开新风 ventilation fan automatically opens during office hours	基本 basic	
下班时段有人时自动打开新风 Automatically turn on ventilation fan when people are off duty	下班时段有人时自动打开新风 Automatically turn on ventilation fan when people are off duty	基本 basic	
下班时段无人时自动关闭新风 Automatically turn off ventilation fan when when unoccupied is at work	下班时段无人时自动关闭新风 Automatically turn off ventilation fan when when unoccupied is at work	基本 basic	
空气质量超标邮件报警功能 Email alarm function for air quality exceeding standard	空气质量超标邮件报警功能 Email alarm function for air quality exceeding standard	基本 basic	
空气质量曲线 Air quality curve	实时和历史曲线 Real-time and historical curves	数据分析 Data analysis	
新风量统计 ventilation fan statistics	计算统计新风量 Calculating Statistical ventilation fan Volume	数据分析 Data analysis	

门禁系统 Access control system	功能function	类型type	选项option
门禁发卡及权限功能 Access Control Card Issuance and Authority Function	门禁发卡及权限功能 Access Control Card Issuance and Authority Function	基本 basic	
门禁设置复杂权限 Access Control Setting Complex Privileges	门禁设置复杂权限 Access Control Setting Complex Privileges	基本 basic	
门禁与设备联动功能 Access Control and Equipment Linkage Function	门禁刷卡授权后自动开灯 /开空调，如果未授权则设施不启动 Automatically turn on lights/air conditioners after authorization of access control card switching. If not authorized, the facility will not start.	高级 advanced	
门禁卡在不同的时段拥有不同的权限 Access cards have different permissions at different times	门禁卡在不同的时段拥有不同的权限 Access cards have different permissions at different times	高级 advanced	
门禁卡拥有不同的进门次数 Access cards have different access times	例如在一定时间段内授权机房 /总经理办公室进出一次 For example, authorize the computer room/general manager's office to go in and out once in a certain period of time.	高级 advanced	

工位监测 Work Station monitoring	功能function	类型type	选项option
工位实时占有统计 Station Real-time Occupancy Statistics	在工作时段，每5分钟统计工位实时占有 Statistical station occupancy every 5 minutes during working hours	基本 basic	
工位累计占有统计 Statistical Accumulated Occupancy of Workplaces	统计每日每个工位在工作时段累计占有时间 Statistical daily cumulative occupancy time of each station during working hours	基本 basic	
工位占有实时显示功能 Real-time display function of station occupancy	实时显示工位占有状态 Real-time display of station occupancy	基本 basic	
工位占有附近灯具、空调联动 Joint action of lighting and air conditioning near occupancy of work station	工位占有附近灯具、空调联动 Joint action of lighting and air conditioning near occupancy of work station	高级 advanced	
工位占有统计分析 Statistical analysis of occupancy	包括每日、周、月占有曲线、最大占有时段分析，以及生产相应的费率统计 Including daily, weekly, monthly occupancy curve, maximum occupancy period analysis, and production	高级 advanced	

插座回路/Work station socket	功能function	类型type	选项option
工位插座回路根据日程表开关 WS socket circuit switch according to calendar schedule	工位插座回路根据日程表开关 WS socket circuit switch according to calendar schedule	Standard	
工位插座回路和区域人体感应传感器开关 WS socket circuit and regional human body occupancy sensor switch	工位插座回路和区域人体感应传感器开关 WS socket circuit and regional human body occupancy sensor switch	Standard	
读取工位插座（单个插孔）能耗 Energy consumption of individual station socket (single socket)	读取工位插座（单个插孔）能耗 Energy consumption of individual station socket (single socket)	Advanced	
在web页面显示单个工位插孔实时能耗 Real-time Energy Consumption of Individual Workplace Socket Displayed on Web Page	在web页面显示单个工位插孔实时能耗 Real-time Energy Consumption of Individual Workplace Socket Displayed on Web Page	Advanced	
每个工位插孔每天使用时长统计 Statistics of daily usage time of each work station socket	每个工位插孔每天使用时长统计 Statistics of daily usage time of each work station socket	Advanced	
自动售货机插座待机时关断功能（保护压缩机） Shut-off function of vending machine socket when standby (protection compressor)	自动售货机插座待机时关断功能（保护压缩机） Shut-off function of vending machine socket when standby (protection compressor)	Advanced	
打印机插座待机时关断功能（保护打印机） Turn off function of printer socket when standby (protect printer)	打印机插座待机时关断功能（保护打印机） Turn off function of printer socket when standby (protect printer)	Advanced	

触摸屏Touch screen：	功能function	类型type	选项option
触摸屏显示办公空间状态 Touch screen display office space status	包括区域人感、照明、温湿度、空气质量、漏水等 Including regional human feeling, lighting, temperature and humidity, air quality, water leakage	高级 advanced	
触摸屏一键强制办公室休眠功能 Touch screen one-click mandatory office dormancy function	触摸屏一键强制办公室休眠功能 Touch screen one-click mandatory office dormancy function	高级 advanced	

应急照明 Emergency Lighting	功能function	类型type	选项option
供电断电报警功能（邮件） Power supply and power off alarm function (mail)	供电断电报警功能（邮件） Power supply and power off alarm function (mail)	高级 advanced	
断电时中控系统自动调亮所有应急灯具 The central control system automatically turns on all emergency lights when power is off	断电时中控系统自动调亮所有应急灯具 The central control system automatically turns on all emergency lights when power is off	高级 advanced	
断电时应急灯具备用电池供电 Emergency lamp with battery power supply when power off	断电时应急灯具备用电池供电 Emergency lamp with battery power supply when power off	高级 advanced	
断电时中控系统后备 UPS状态采集 Backup UPS state acquisition of central control system during power failure	断电时中控系统后备 UPS状态采集 Backup UPS state acquisition of central control system during power failure	高级 advanced	