# 1.获取接口

**1.1获取系统模式列表**（pattern\_system表）

public class PatternSystemDTO

{

public int PatternSystemId // 模式在数据库表中的ID值

public string PatternName // 模式名称

public string PatternDesc // 模式描述

public string Weather // 天气

public string Season // 季节

public bool Isholiday // 是否节假日

public List<PatternIBMSDTO> patternItems; // 模式的子项列表

}

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetAllSysPattern |
| 请求方式 | Post |
| 参数: | 无 |
| 返回值 | {"GetAllSysPatternResult":[{"Isholiday":false,"PatternDesc":"www","PatternName":"aaa","PatternSystemId":18,"Season":"夏","Weather":"晴","patternItems":[{"CurrentId":0,"Isholiday":false,"ModCode":110100000,"ModuleId":110000060,"PatternDesc":"","PatternId":5,"PatternName":"自动亮度模式","Season":"","Weather":"","patternItems":[{"\_\_type":"PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130002037],"IntevalDesc":"","PatternId":5,"StartTime":"PT8H50M","Tid":37,"setOnOff":true,"Brightness":0.0,"SetAutoBrightness":true}]},{"CurrentId":0,"Isholiday":true,"ModCode":200100000,"ModuleId":110000046,"PatternDesc":"广播播放","PatternId":1,"PatternName":"夏天","Season":"夏","Weather":"晴","patternItems":[{"\_\_type":"PatternItemBroadcastDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130001987],"IntevalDesc":"","PatternId":1,"StartTime":"PT8H52M","Tid":1,"setOnOff":true,"PlayFileList":"Kalimba","PlayType":1}]}]},{"Isholiday":true,"PatternDesc":"","PatternName":"qqq","PatternSystemId":20,"Season":"夏","Weather":"晴","patternItems":[{"CurrentId":0,"Isholiday":false,"ModCode":110100000,"ModuleId":110000060,"PatternDesc":"","PatternId":5,"PatternName":"自动亮度模式","Season":"","Weather":"","patternItems":[{"\_\_type":"PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130002037],"IntevalDesc":"","PatternId":5,"StartTime":"PT8H50M","Tid":37,"setOnOff":true,"Brightness":0.0,"SetAutoBrightness":true}]},{"CurrentId":0,"Isholiday":true,"ModCode":200100000,"ModuleId":110000046,"PatternDesc":"广播播放","PatternId":1,"PatternName":"夏天","Season":"夏","Weather":"晴","patternItems":[{"\_\_type":"PatternItemBroadcastDTO:#HXCT.IBMS.Dto.ModelDTO","Delay":"PT0S","DevList":[130001987],"IntevalDesc":"","PatternId":1,"StartTime":"PT8H52M","Tid":1,"setOnOff":true,"PlayFileList":"Kalimba","PlayType":1}]}]}]} |

**1.2获取模式列表 （表pattern\_ibms）**

public class PatternIBMSDTO

{

public int PatternId // 模式在数据库表中的ID值

public string PatternName // 模式名称

public string PatternDesc // 模式描述

public int ModuleId // cold/hot/aircond/fresh对应的模块ID

public ModuleType\_e ModCode // cold/hot/aircond/fresh对应的模块类型

public string Weather // 天气

public string Season // 季节

public bool Isholiday // 季节

public List<PatternItemBaseDTO> patternItems; // 模式的子项列表

public int CurrentId; // 模式当前所运行的子项ID

}

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetAllPattern |
| 请求方式 | Post |
| 参数: | 无 |
| 返回值 | {  "GetAllPatternResult" : [ {  "CurrentId" : 0,  "Isholiday" : true,  "ModCode" : 200100000,  "ModuleId" : 110000046,  "PatternDesc" : "广播播放",  "PatternId" : 1,  "PatternName" : "夏天",  "Season" : "夏",  "Weather" : "晴",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 5,  "PatternName" : "自动亮度模式",  "Season" : "",  "Weather" : "",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 200100000,  "ModuleId" : 110000046,  "PatternDesc" : "",  "PatternId" : 10,  "PatternName" : "广播测试",  "Season" : "过渡季",  "Weather" : "雨",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "qqdf",  "PatternId" : 12,  "PatternName" : "tth",  "Season" : "过渡季",  "Weather" : "雨",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 13,  "PatternName" : "自动亮度模式-副本",  "Season" : "",  "Weather" : "",  "patternItems" : [ ]  } ]  } |

**1.3获取指定模块的所有模式信息 （表pattern\_ibms）**

PatternIBMSDTO

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetPatternByModuleId |
| 请求方式 | Post |
| 参数: | { "modId" : 110000060} 模块id |
| 返回值 | {  "GetPatternByModuleIdResult" : [ {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 13,  "PatternName" : "自动亮度模式-副本",  "Season" : "",  "Weather" : "",  "patternItems" : [ ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "qqdf",  "PatternId" : 12,  "PatternName" : "tth",  "Season" : "过渡季",  "Weather" : "雨",  "patternItems" : [ {  "\_\_type" : "PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO",  "Delay" : "PT0S",  "DevList" : [ 130002037 ],  "IntevalDesc" : "",  "PatternId" : 12,  "StartTime" : "PT8H",  "Tid" : 32,  "setOnOff" : false,  "Brightness" : 0.0,  "SetAutoBrightness" : false  } ]  }, {  "CurrentId" : 0,  "Isholiday" : false,  "ModCode" : 110100000,  "ModuleId" : 110000060,  "PatternDesc" : "",  "PatternId" : 5,  "PatternName" : "自动亮度模式",  "Season" : "",  "Weather" : "",  "patternItems" : [ {  "\_\_type" : "PatternItemLightingDTO:#HXCT.IBMS.Dto.ModelDTO",  "Delay" : "PT0S",  "DevList" : [ 130002037 ],  "IntevalDesc" : "",  "PatternId" : 5,  "StartTime" : "PT8H",  "Tid" : 31,  "setOnOff" : true,  "Brightness" : 0.0,  "SetAutoBrightness" : false  } ]  } ]  } |

**1.4通过模式Id获取模式信息（表pattern\_ibms）**

**PatternIBMSDTO GetPatternById(int Id)**

PatternIBMSDTO

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetPatternById |
| 请求方式 | Post |
| 参数: | { "Id":1} |
| 返回值 | {  "GetPatternByIdResult" : {  "CurrentId" : 0,  "Isholiday" : true,  "ModCode" : 200100000,  "ModuleId" : 110000046,  "PatternDesc" : "广播播放",  "PatternId" : 1,  "PatternName" : "夏天",  "Season" : "夏",  "Weather" : "晴",  "patternItems" : [ {  "\_\_type" : "PatternItemBroadcastDTO:#HXCT.IBMS.Dto.ModelDTO",  "Delay" : "PT0S",  "DevList" : [ 130001987 ],  "IntevalDesc" : "",  "PatternId" : 1,  "StartTime" : "PT8H52M",  "Tid" : 1,  "setOnOff" : true,  "PlayFileList" : "Kalimba",  "PlayType" : 1  } ]  }  } |

**1.5获取某个模块的当前运行模式 （表pattern\_ibms）**

PatternIBMSDTO

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/GetRunningPattern |
| 请求方式 | Post |
| 参数: | { "moduleId":110000060} |
| 返回值 | {"GetRunningPatternResult":null} |

# 2.编辑接口

## 2.1系统级编辑：（PatternSyste表）

**2.1.1保存系统模式**

public class PatternSystemDTO

{

public int PatternSystemId // 模式在数据库表中的ID值

public string PatternName // 模式名称

public string PatternDesc // 模式描述

public string Weather // 天气

public string Season // 季节

public bool Isholiday // 是否节假日

public List<PatternIBMSDTO> patternItems; // 模式的子项列表

}

List<PatternSystemDTO> **SaveSysPattern**(List<PatternSystemDTO> ptnLst);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/SaveSysPattern |
| 请求方式 | Post |
| 参数: | {"ptnLst":[{"patternItems":[{"patternItems":[],"CurrentId":0,"PatternId":5,"PatternName":"自动亮度模式","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"","Season":"","Isholiday":false},{"patternItems":[],"CurrentId":0,"PatternId":10,"PatternName":"广播测试","PatternDesc":"","ModuleId":110000046,"ModCode":200100000,"Weather":"雨","Season":"过渡季","Isholiday":false}],"PatternSystemId":0,"PatternName":"qqq1","PatternDesc":"","Weather":"晴","Season":"夏","Isholiday":false}]} |
| 返回值 | {"SaveSysPatternResult":[{"Isholiday":false,"PatternDesc":"","PatternName":"qqq1","PatternSystemId":23,"Season":"夏","Weather":"晴","patternItems":[{"CurrentId":0,"Isholiday":false,"ModCode":110100000,"ModuleId":110000060,"PatternDesc":"","PatternId":5,"PatternName":"自动亮度模式","Season":"","Weather":"","patternItems":[]},{"CurrentId":0,"Isholiday":false,"ModCode":200100000,"ModuleId":110000046,"PatternDesc":"","PatternId":10,"PatternName":"广播测试","Season":"过渡季","Weather":"雨","patternItems":[]}]}]} |

**2.1.2删除一个模式通过模式ID**

void DelSysPatternById(params int[] PatternIds);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelSysPatternById |
| 请求方式 | Post |
| 参数: | { "PatternIds":[1,2]} |
| 返回值 | {} |

**~~2.1.3增加一个模式~~**

~~int AddSysPattern(PatternSystemDTO ptn);~~

|  |  |
| --- | --- |
| ~~url~~ | ~~http://172.29.1.170:60002/PatternService/AddSysPattern~~ |
| ~~请求方式~~ | ~~Post~~ |
| ~~参数:~~ |  |
| ~~返回值~~ | ~~{}~~ |

**~~2.1.4修改一个模式~~**

~~void ModSysPattern(PatternSystemDTO ptn);~~

|  |  |
| --- | --- |
| ~~url~~ | [~~http://172.29.1.170:60002/PatternService/ModSysPattern~~](http://172.29.1.170:60002/PatternService/ModSysPattern) |
| ~~请求方式~~ | ~~Post~~ |
| ~~参数:~~ | ~~{ "PatternIds":[1,2]}~~ |
| ~~返回值~~ | ~~{}~~ |

## 2.2整体编辑：

**2.2.1增加一个模式**

int AddPattern(PatternIBMSDTO ptn);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/AddPattern |
| 请求方式 | Post |
| 参数: | {"ptn":{"patternItems":[],"CurrentId":0,"PatternId":0,"PatternName":"999","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"晴","Season":"夏","Isholiday":true}} |
| 返回值 | {"AddPatternResult":18} |

**2.2.2删除一个模式，通过模式信息**

void DelPattern(PatternIBMSDTO ptn);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelPattern |
| 请求方式 | Post |
| 参数: | {"ptn":{"patternItems":[],"CurrentId":0,"PatternId":18,"PatternName":"999","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"晴","Season":"夏","Isholiday":true}} |
| 返回值 | {} |

**2.2.3删除一个模式通过模式ID**

void DelPatternById(int PatternId);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelPatternById |
| 请求方式 | Post |
| 参数: | {"PatternId":18 } |
| 返回值 | {} |

**2.2.4删除一个模式通过模块类型和模式ID**

void DelPatternByCodeId(ModuleType\_e moduleCode, int PatternId);

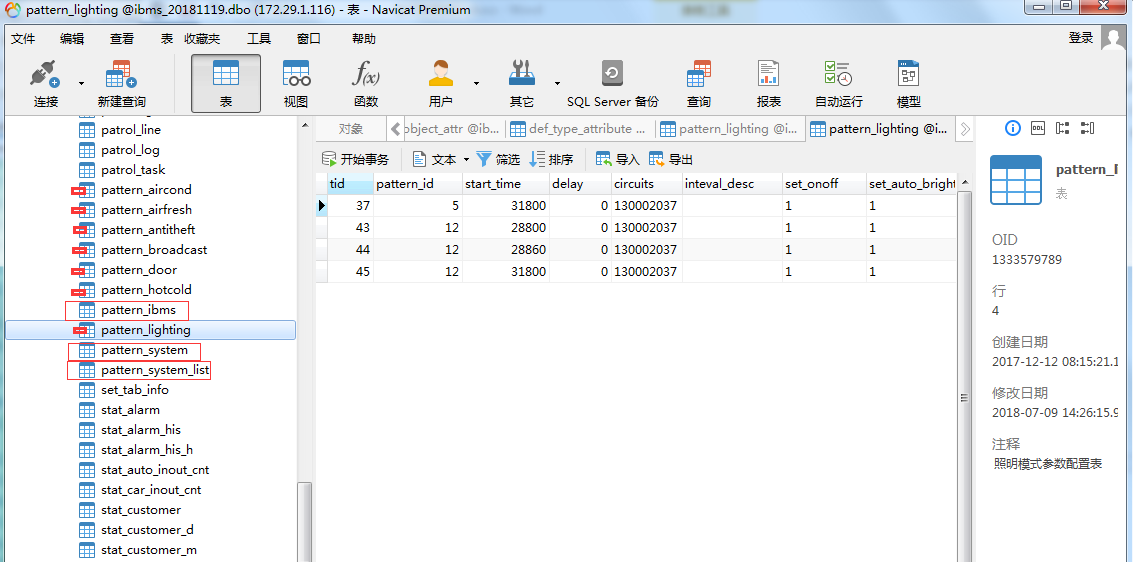
|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/DelPatternByCodeId |
| 请求方式 | Post |
| 参数: | {"PatternId":18,"ModCode":110100000} |
| 返回值 | {} |

**2.2.5修改一个模式**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/ModPattern |
| 请求方式 | Post |
| 参数: | {"ptn":{"patternItems":[],"CurrentId":0,"PatternId":21,"PatternName":"99996","PatternDesc":"","ModuleId":110000060,"ModCode":110100000,"Weather":"晴","Season":"夏","Isholiday":true}} |
| 返回值 | {} |

## 2.3子项编辑：（空调模式子项0、新风模式子项1、防盗模式子项2、广播模式子项3、门禁模式子项4、冷热源模式子项5、照明模式子项6）

|  |  |  |
| --- | --- | --- |
| 基类 | **PatternItemBaseDTO** | 序列号 public int Tid  执行时间 public TimeSpan StartTime  偏移时间 public TimeSpan Delay  时间段描述 public string IntevalDesc  所属模式ID public int PatternId  设备列表 public List<int> DevList  操作类型 public bool setOnOff |
| 空调 | PatternItemAircondDTO | 送风机开关 public bool BlastStatus  回风阀开度 public decimal CycleValve  新风阀开度 public decimal FreshValve  冷热水阀 public decimal CoolHotValve  加湿阀开度 public decimal HumidityValve  变频器调节 public decimal InverterRegulate  送风温度 public decimal Temperature  送风湿度 public decimal Humidity |
| 新风 | PatternItemAirfreshDTO | 送吹机开关 public bool BlastStatus  冷热水阀开度 public decimal CoolHotValve  送风温度设定 public decimal Temperature |
| 防盗 | PatternItemAntitheftDTO | **同基类** |
| 广播 | PatternItemBroadcastDTO | 播放类型 0循环 1单次 public int PlayType  播放文件列表 public string PlayFileList  "IntrusionAlarm,ring,xring" |
| 门禁 | PatternItemDoorDTO | **同基类** |
| 冷热源 | PatternItemHotcoldDTO | 打开冷机的数量 public int OpenDevcnt  供水温度设定 public decimal WaterTemperature  供回水压力差设定 public decimal WaterPressure |
| 照明 | PatternItemLightingDTO | 是否亮度自动调节 public bool? SetAutoBrightness  亮度控制 public decimal? Brightness |



**2.3.1增加子项**

int addPatternSubItem(PatternItemBaseDTO subItem);

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/AddPatternSubItemForWeb |
| 请求方式 | Post |
| 参数: | {"obj":"{\"type\":6,\"SetAutoBrightness\":true,\"Brightness\":0.0,\"Tid\":0,\"StartTime\":\"08:01:00\",\"Delay\":\"00:00:00\",\"IntevalDesc\":\"\",\"PatternId\":12,\"DevList\":[130002037],\"setOnOff\":true}"} |
| 返回值 | {"AddPatternSubItemForWebResult":45} |

**2.3.2删除子项**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/delPatternSubItem |
| 请求方式 | Post |
| 参数: | {"modCode":110100000,"patternId":12,"subItemId":43} |
| 返回值 | {"delPatternSubItemResult":true} |

**2.3.2修改子项**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/UpdatePatternSubItemForWeb |
| 请求方式 | Post |
| 参数: | {"obj":"{\"type\":6,\"SetAutoBrightness\":true,\"Brightness\":0.0,\"Tid\":46,\"StartTime\":\"08:55:00\",\"Delay\":\"00:00:00\",\"IntevalDesc\":\"\",\"PatternId\":12,\"DevList\":[130002037],\"setOnOff\":true}"} |
| 返回值 | {"UpdatePatternSubItemForWebResult":true} |

# 3.操作接口

**3.1启动一个模式通过模式ID (表pattern\_ibms)**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/StartPatternById |
| 请求方式 | Post |
| 参数: | { "patternId":1} |
| 返回值 | {} |

**3.2启动一个模式通过模块ID**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/StartPatternByModId |
| 请求方式 | Post |
| 参数: | { "ModId":110000060} |
| 返回值 | {} |

**3.3停止一个模式通过模块ID**

|  |  |
| --- | --- |
| url | http://172.29.1.170:60002/PatternService/StopPatternByModId |
| 请求方式 | Post |
| 参数: | {"ModId":110000060} |
| 返回值 | {} |