



ArtNet



RoHS

Smart-HDL®

High Definition Living



[Www.smart-hdl.com](http://www.smart-hdl.com)

Tel:86-20-85521566-5260

Hotel Rooms Intelligent Control System

Smart-HDL System features



Energy Saving Conception

User-Friendly Control

Good for Management



Intelligent ID Identify

Identified by the Card, Owner or Servant. Purview is differ according to ID. Security and Energy Saving at the same time.



Motorized Curtain Control

Controlled by wall mount panel & switch, enjoy the intelligent control way of life.



Service Information

Service Remind:
DND, Clean, Service Customize, Check-Out Remind;
Customer Room Remind:
Easy for chambermaid's work. Do not disturb customer;
Waiting Mode:
When other customer come, remind that please wait for moment.



Lighting Control user friendly

By using Switch & Panel, easy to control the scenes of lights shows a nice and comfort feeling.



Security

Emergency, asking for help:
When there is Emergency Situation in hotel Room, chambermaid will know right away;
System Break Down Remind:
When system break Down, System will reminds the Manage Man, to solve the problem right away, Show higher efficiency.
Safety:
Inside the system, all control unit use lower power, DC24V, make sure it is maximum safe.



Temperature Control

Easy to be controlled by Panel & Switch, Energy Saving Make a nice and comfort entirment in hotel room.



Motion Detect

Controlled in a Logic Way: Man is Coming, lights turn on; Man is leaving, lights turn off automatically.

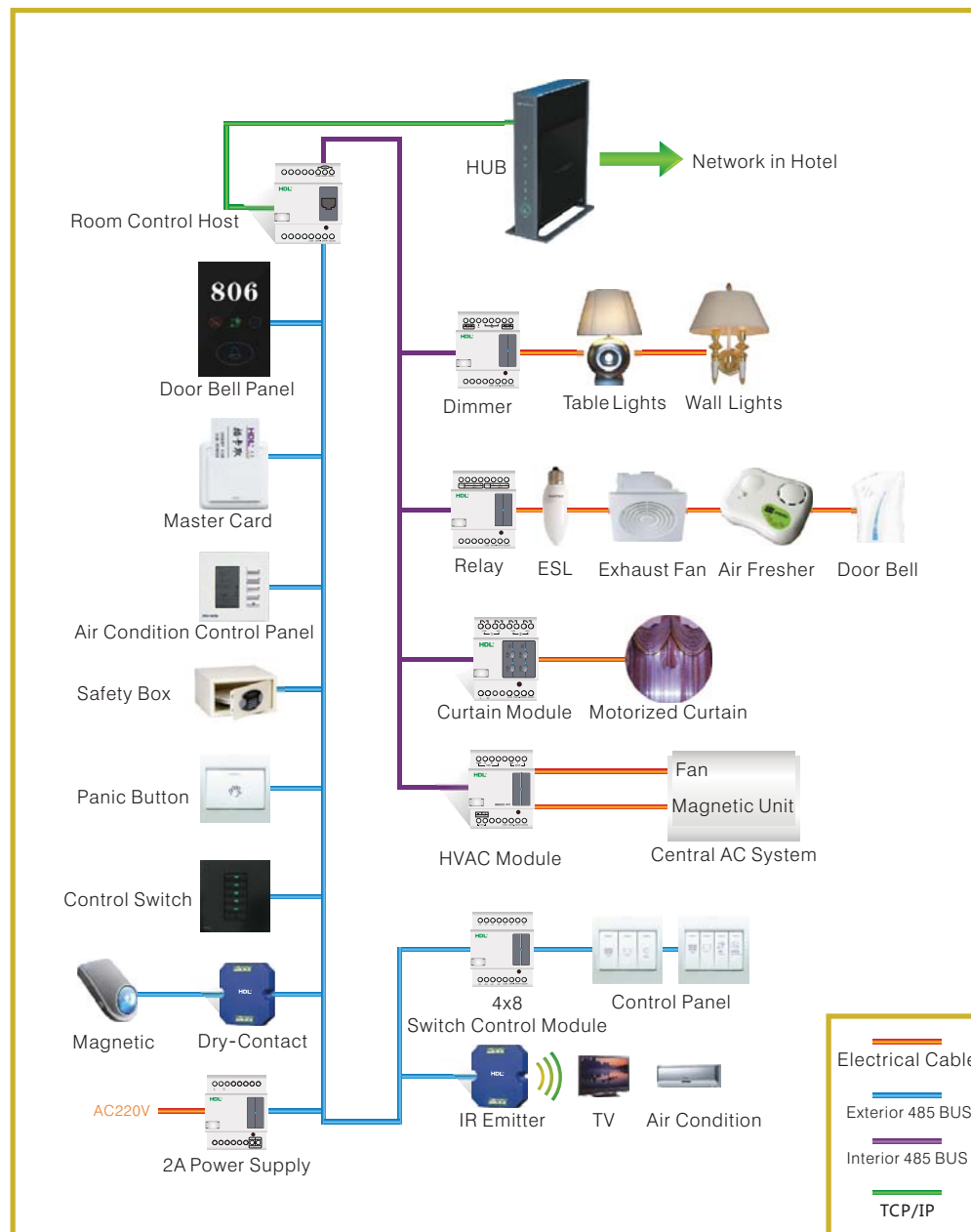


Network Management

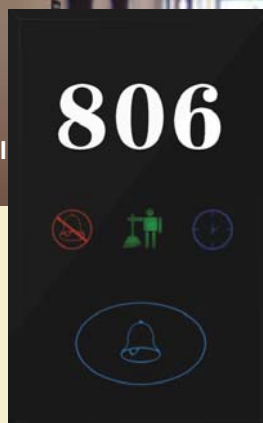
Room Status:
Easy to check if somebody in room by using Software, It is good feeling for management;
Check out Request:
One Key for check out request. in reception, check out documents will be ready, save the time for customer;
Servant Status:
Through software, easy to find the location of the waiter, Captain can have good assignment;
Remote Control:
When customer check-in in the reception, lights & Air Condition can be turned on before customer go to the room
Faler Detect:
All status of equipment which inside Hotel can be monitored by system software;
History Check:
Provide the History Report of Device & Room etc;
Room Central Control:
Based on TCP/IP network, more stability and good for management;
Manage Date Share:
System can be easily integrated with Hotel Software;

Smart-HDL

System schematic diagram



Modernize Series Hotel Door Bell MHB.1010



Basic Information

Power Supply: DC12~30V
Power Consumption in BUS : 25mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout : 105mm x 170mm x 40mm
Back box size: 94mm x 159mm x 30mm

Main Function

Show different Number of Room
Do Not Disturb
Clean Mode
Wait Mode

Modernize Series Hotel Master Card MHIC.1810

Basic Information

Power Supply: DC12~30V
Power consumption in BUS: 15mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%

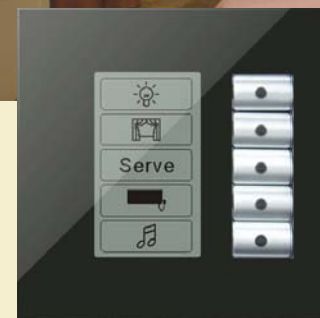
Signal Interface: S-BUS
Layout: 86mm x 86mm x 9mm
Installation: GI 86mm×86mm Back Box

Main Function

To be used together with Door Bell panel;
Can be used as Master Card and ID identify;
Two kinds: By touch or With RF card.



Modernize Series Hotel Multifunction panel MPL5.28103



Basic Information

Power supply: DC12~30V
Power Consumption in BUS: 15mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Installation: GI 86mm×86mm Back Box
Layout Size: 86.4mm×86.4mm×35mm

Main Function

IR : IR Receiving function of each button on the panel
Key Mode : Single On/Off, Single On, Single Off,
Combination On, Combination Off, Momentary.
Control Mode : Scene, Sequence, Timer,
Universal Switch, Single Channel Control,
Broadcast Scene, Broadcast Channel, Curtain Control.

LCD Display: Show Different Picture or Different Language;
LCD Back light: LED brightness can be adjustable;
Has the function of Remote Program and Management;
Has the function of Password Setting;
4 button for Function key, 1 button for Page Change;

Operation Interface



Air Condition Control



Lighting Control



Curtain Control



System Service



Scene Control

Product

Description



Modernize Series Intelligent Panel MP10X.38103

Basic Information

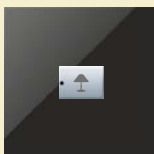
Power supply: DC12~30V
 Power Consumption in BUS: 15mA/DC24V
 Working Condition:
 Working Temperature: 0°C~40°C
 Working Relative Humidity: 20%~90%
 Storage Temperature: -40°C~+55°C
 Storage Relative Humidity: 10%~93%
 Signal Interface: S-BUS
 Installation: G1 86mmX86mm Back Box
 Layout Size: 86, 4mm X 86, 4mm X 35mm

Main Function

IR : IR Receiving Function of the Key Button
 Key Control Mode: Scene, Sequence, Timer
 Channel, Universal Switch, Single Channel Control,
 Broadcast Scene, Broadcast Channel, Curtain Control
 LED Back Light: LED Brightness can be adjustable
 Key Mode: Single On-Off, Single On, Single Off,
 Combination On, Combination Off, Momentary
 ID Setting: ID can be changed by software of Manual;
 Remote Control and Management;

Different Combination for Button

MP101A.38103



MP102A.38103



MP103A.38103



MP106.38103



Selectable Material for Panel



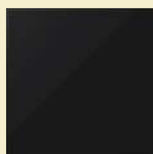
Silver



Golden



White Glass



Black Glass



Touch Series Hotel Room Door Bell Panel MHB2.2825

Basic Information

Power Supply: DC12~30V
 Power Consumption in BUS : 25mA/DC24V
 Working Condition:
 Working Temperature: 0°C~40°C
 Working Relative Humidity: 20%~90%
 Storage Temperature: -40°C~+55°C
 Storage Relative Humidity: 10%~93%
 Signal Interface: S-BUS
 Layout : 86mm x 86mm x 9mm
 Back box size: 86mm x 86mm Back Box

Main Function

Show different Number of Room
 Do Not Disturb
 Clean Mode
 Wait Mode



Touch Series Hotel Master Card MHIC.2825

Basic Information

Power Supply: DC12~30V
 Power consumption in BUS: 15mA/DC24V
 Working Condition:
 Working Temperature: 0°C~40°C
 Working Relative Humidity: 20%~90%
 Storage Temperature: -40°C~+55°C
 Storage Relative Humidity: 10%~93%
 Signal Interface: S-BUS
 Layout: 86mm x 86mm x 9mm
 Installation: G1 86mm X 86mm Back Box

Main Function

To be used together with Door Bell panel;
 Can be used as Master Card and ID identify;
 Two kinds: By touch or With RF card.



Product

Description

Touch Series Hotel Room Control Panel MP204.2825

Basic Information

Power Supply: DC12~30V	Signal Interface: S-BUS
Power Consumption in BUS: 15mA/DC24V	Layout Size: 86mm x 86mm x 9mm
Working Condition:	Installation: GI 86mm×86mm Back Box
Working Temperature: 0℃~40℃	
Working Relative Humidity: 20%~90%	
Storage Temperature: -40℃~+55℃	
Storage Relative Humidity: 10%~93%	

Main Function

Control Mode	Single On/Off	Combination On	Double Click/Single On-Off
	Single On	Combination Off	Double Click/Combination On-Off
	Single Off	Combination On/Off	Momentary
Control Type	Scene	Universal Switch	Broadcast Scene
	Sequence	Single Channel	Broadcast Channel
	Timer	Curtain	

Touch Series Hotel Radio Control Panel FM.2825

Basic Information

Power Supply: DC12~30V	Signal Interface: S-BUS
Power Consumption in BUS: 15mA/DC24V	Layout Size: 86mm x 86mm x 9mm
Working Condition:	Installation: GI 86mm×86mm Back Box
Working Temperature: 0℃~40℃	
Working Relative Humidity: 20%~90%	
Storage Temperature: -40℃~+55℃	
Storage Relative Humidity: 10%~93%	

Main Function

Up to 16 different Channel for Radio Station
Volume Regular
Radio Channel selection

Touch Series Hotel Room Air Condition Control Panel MLAC.2825

Basic Information

Power Supply: DC12~30V	Signal Interface: S-BUS
Power Consumption in BUS: 15mA/DC24V	Layout Size: 86mm x 86mm x 9mm
Working Condition:	Installation: GI 86mm×86mm Back Box
Working Temperature: 0℃~40℃	
Working Relative Humidity: 20%~90%	
Storage Temperature: -40℃~+55℃	
Storage Relative Humidity: 10%~93%	

Main Function

To be used together with Mix Room Controller
Control Temperature, Speed, Mode, On/Off
Display Indoor Temperature, Date
Has the function of Remote Control and manage



Adjustable Color



Golden



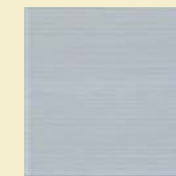
Copper



Champagne



Silver



Dark Silver

Selectable Panel Style

MP204.2825



MP203.2825

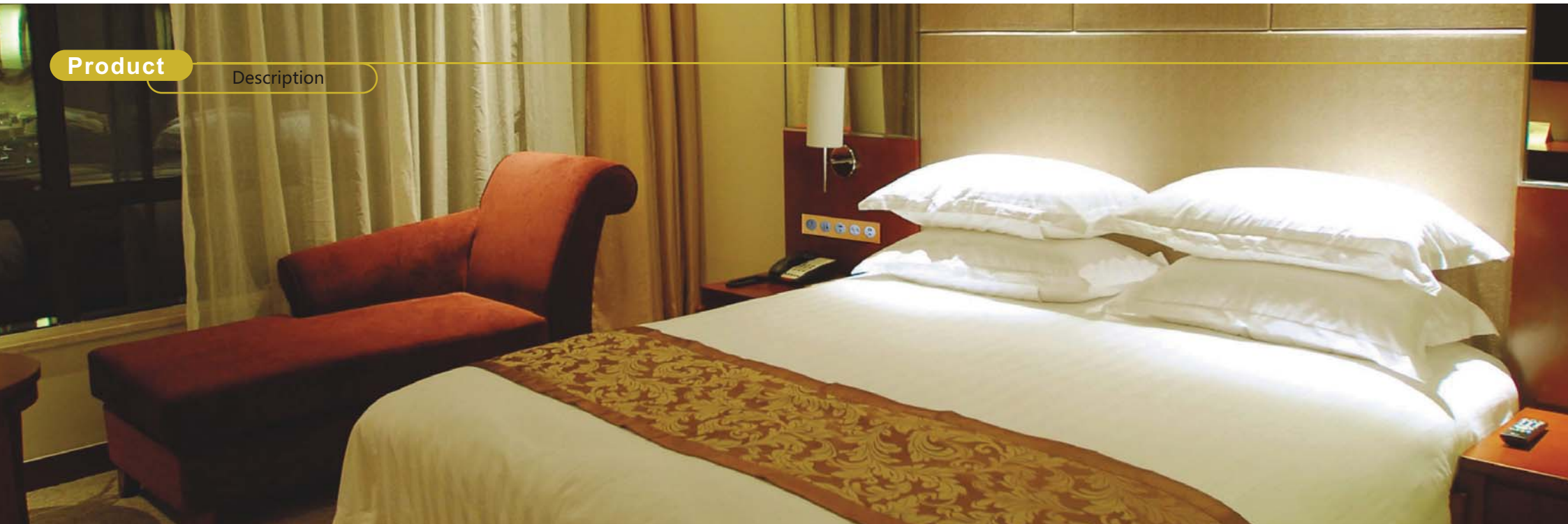


MP202.2825



MP201.2825





Modernize Series Hotel Room Multifunction Panel(Multi Media Connector)
MMS5.10



Modernize Series Hotel Room Multifunction Panel(Multi Media Connector)
MMS5.11



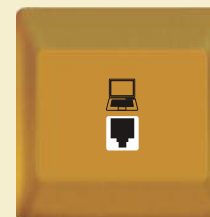
Modernize Series Hotel Room Multifunction Panel(Multi Media Connector)
MMS5.25



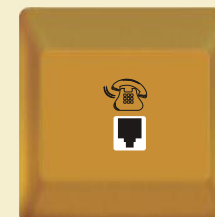
Power Socket
AC10.256



Data Outlet
PC.256



Telephone Outlet
TEL.256



Panic Button Panel
EM.256



Product

Description

Hotel Room Intelligent System Manage Software HMS.V1

Description

《Hotel Room Intelligent System Manage Software》 is a monitor and Program software for the Smart-Hotel System, stability and also High efficiency. Controlled Subsystem including: Door Access; Air Condition, Lighting, Music, Service, Curtain etc. Can show customer the status about all devices inside Hotel Room, easy for management and Program. .

Main Function

- Easy for Program and Operate based on Graphic icon;
- User-defined material, show the reality picture about the Hotel Room;
- "SOS" "Safety Box Protection" and many other function;
- Energy Saving Control function of the Air Condition;
- Intelligent ID Identify, more safety for Customer;
- Date back up and Restore Function;
- All controlled device can be show under Graphic icon;

Software Interface



Hotel Room



Check Room Number



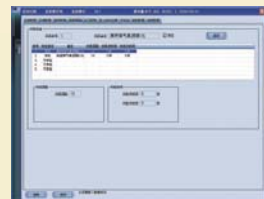
Lighting System Configure



Air Condition Manage



Curtain Control Manage



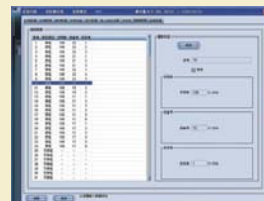
Fan and Central Air Condition



Other Information Configure



Customer Unique Information Manage

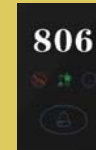


Switch Configure Manage



Product List

Modernize Series Control Panel



Modernize Series
Hotel Room Door
Bell Panel
MHB.1010

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS: 25mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout Size: 105mm x 170mm x 40mm
Back Box Size: 94mm x 159mm x 30mm

Main Function

Show different Number of Room;
Do Not Disturb;
Clean Mode;
Wait Mode;



Modernize Series
Hotel Room
Master Card
MHIC.1810

Basic Information

Power Supply: DC12~30V
Power consumption in BUS: 15mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout: 86mm x 86mm x 9mm
Installation: GI 86mmX86mm Back Box

Main Function

To be used together with Door Bell panel;
Can be used as Master Card and ID identify;
Two kinds: By touch or With RF card.



Modernize Series
Hotel Room
Multi Function Panel
MPL5.28103

Basic Information

Power supply: DC12~30V
Power Consumption in BUS: 15mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Installation: GI 86mmX86mm Back Box
Layout Size: 86.4mmX86.4mmX35mm

Main Function

IR : IR Receiving function of each button on the panel
Key Mode : Single On/Off, Single On, Single Off,
Combination On, Combination Off, Momentary.
Control Mode : Scene, Sequence, Timer,
Universal Switch, Single Channel Control,
Broadcast Scene, Broadcast Channel, Curtain Control.
LCD Display: Show Different Picture or Different Language;
LCD Back light : LED brightness can be adjustable;
Has the function of Remote Program and Management;
Has the function of Password Setting;
4 button For Function key, 1 button for Page Change;



Modernize Series
Hotel Room
Intelligent Panel
MP10X.38103

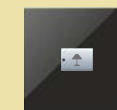
Basic Information

Power supply: DC12~30V
Power Consumption in BUS: 15mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Installation: GI 86mmX86mm Back Box
Layout Size: 86.4mmX86.4mmX35mm

Main Function

IR : IR Receiving function of each button on the panel
Key Mode : Single On/Off, Single On, Single Off, Combination On, Combination Off, Momentary.
Control Mode : Scene, Sequence, Timer, Universal Switch, Single Channel Control, Broadcast Scene, Broadcast Channel, Curtain Control.
LCD Back light : LED brightness can be adjustable;
Has the function of Remote Program and Management;
Has the function of Password Setting;
4 button For Function key, 1 button for Page Change;

Selectable Style



MP101A.38103



MP102A.38103



MP103A.38103



MP106.38103

Product List

Modernize Series Hotel Room Multifunction Panel(Multi Media Connector)



Hotel Room Multifunction Panel(Multi Media Connector)
MMS5.10

1-Multi Power Socket
2-Audio & Video Outlet
3-VGA Outlet,
4-Data & Telephone Outlet
5-HDMI Interface



Hotel Room Multifunction Panel(Multi Media Connector)
MMS5.11

1-Multi Power Socket
2-Audio & Video Outlet
3-VGA Outlet,
4-Data & Telephone Outlet
5-HDMI Interface

Touch Series Hotel Control Panel



**Touch Series
Hotel Room
Door Bell Panel**
MHB2.2825

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS : 25mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout : 86mm x 86mm x 9mm
Back box size: 86mm x 86mm Back Box

Main Function

Show different Number of Room
Do Not Disturb
Clean Mode
Wait Mode



**Touch Series
Hotel Room
Master Card**
MHIC.2825

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS:15mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout: 86mm x 86mm x 9mm
Installation: GI 86mm×86mm Back Box

Main Function

To be used together with Door Bell panel;
Can be used as Master Card and ID identify;
Two kinds: By touch or With RF card.



**Touch Series
Hotel Room
Air Condition
Control Panel**
MLAC.2825

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS:25mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout: 86mm x 86mm x 9mm
Installation: GI 86mm×86mm Back Box

Main Function

To be used together with Mix Room Controller
Control Temperature, Speed, Mode, On/OFF
Display Indoor Temperature, Date
Has the function of Remote Control and manage



**Touch Series
Hotel Room
Radio Control Panel**
FM.2825

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS:30mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout: 86mm x 86mm x 9mm
Installation: GI 86mm×86mm Back Box

Main Function

Up to 16 different Channel for Radio Station
Volume Regular
Radio Channel selection

Touch Series Hotel Control Panel & Sockets



**Touch Series
Hotel Room
Intelligent Switch**
MP204.2825

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS:15mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: S-BUS
Layout: 86mm x 86mm x 9mm
Installation: GI 86mm×86mm Back Box

Main Function

Control Mode
Single On/Off Combination On Double Click/Single On-Off
Single On Combination Off Double Click/Combination On-Off
Single Off Combination On/Off Momentary
Control Type
Scene Universal Switch Broadcast Scene
Sequence Single Channel Broadcast Channel
Timer Curtain

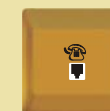
Selectable Style



Power Socket
AC10.256



Date Outlet
TEL.256

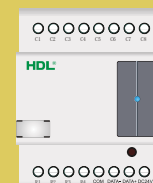


Telephone Outlet
PC.256



Panic Button
EM.256

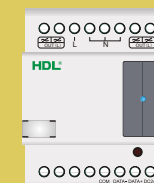
System Control Module



4x8 On Off Control Module
MS4X8.231

Basic Information

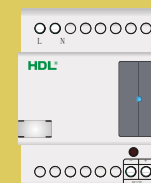
Power Supply: DC12~30V
Power Consumption in BUS: 15mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: HDL-BUS
Function: Receive 32 signal of On-Off
Installation: Standard 35mm Din Rail
Layout Size: 72 (mm) x88 (mm) x66 (mm)



4 Channel Dimmer
MHD0401.231

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS: 20mA/DC24V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Signal Interface: Rs485—Connect to Room Control Host
Output Channel: 4 channel Dimming, 1A each Ch
Installation: Standard 35mm Din Rail
Layout Size: 72 (mm) x88 (mm) x66 (mm)

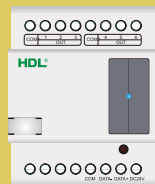


DC12V 1.2A Power Module
MDC12-1.2A.231

Basic Information

Power Supply: AC220V±10%
Frequency : 50~60HZ
Output Current : 1200mA
Output Voltage: DC12V
Working Condition:
Working Temperature: 0℃~40℃
Working Relative Humidity: 20%~90%
Storage Temperature: -40℃~+55℃
Storage Relative Humidity: 10%~93%
Installation: Standard 35mm Din Rail
Layout Size: 72 (mm) x88 (mm) x66 (mm)

System Control Module



6 channel 5A Relay Module
MHR0605.231

Basic Information

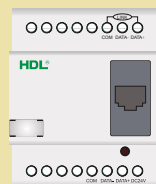
Power Supply: DC15~30V
Power Consumption in BUS: 100mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Signal Interface: RS485 —Connected with Interior BUS of Room Host
Output Channel: 6 Channel Relay
Current in each Channel: 5A
Life Time for Relay: More than 60,000 times
Capacitance load for Relay: Less than 10 μF
Installation: Standard 35 (mm) Din Rail
Layout Size: 72(mm) x88 (mm) x66 (mm)



4 channel 10A Relay Module
MHR0410.231

Basic Information

Power Supply: DC15~30V
Power Consumption in BUS: 70mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Signal Interface: RS485 —Connected with Interior BUS of Room Host
Output Channel: 4 Channel Relay
Current in each Channel: 10A
Life Time for Relay: More than 60,000 times
Capacitance load for Relay: Less than 50 μF
Installation: Standard 35 (mm) Din Rail
Layout Size: 72(mm) x88 (mm) x66 (mm)



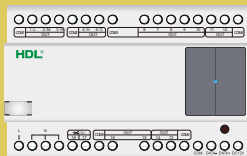
Hotel Room Control Host
MHC48IP.231

Basic Information

Power Supply: DC12~30V
Power Consumption in BUS: 40mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Installation: Standard 35(mm) Din Rail
Layout Size: 72 (mm) x88 (mm) x66 (mm)

Main Function

1 Separate Area;
99 Scene, Maximum 255 seconds for Each Scene;
High Limit, Low Limit, Threshold for Each channel;
Delay Time For Channel Protection: (0—60 Minutes);
Delay Time For Channel Start: (0—25 Seconds);
Local Program And Test Function;
Remote Program And Manage Function;
Designate Scene after Device Restart;
BUS Switch Board Function: 2 Way Data Transfer between S-BUS and Ethernet;
Ethernet Interface Embedded.



Multi Function Output Module
MHD02R16.232

Basic Information

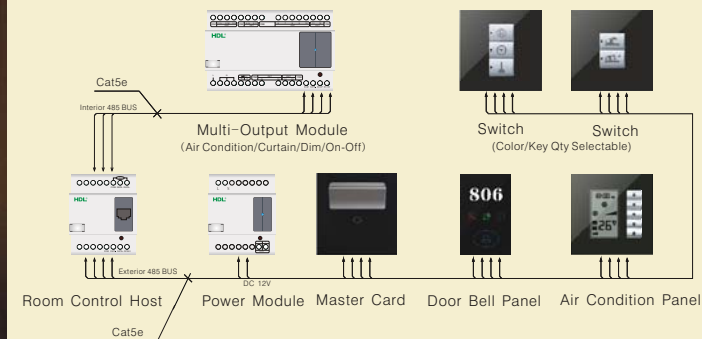
Power Supply: DC15~30V
Power Consumption in BUS: 260mA/DC24V
Working Condition:
Working Temperature: 0°C~40°C
Working Relative Humidity: 20%~90%
Storage Temperature: -40°C~+55°C
Storage Relative Humidity: 10%~93%
Signal Interface: RS485 —Connected with Interior BUS of Room Host
Installation: Standard 35 (mm) Din Rail
Layout Size: 144 (mm) x88 (mm) x66 (mm)

Main Function

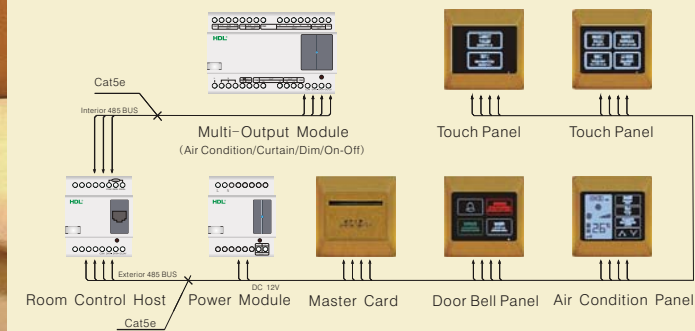
Channel 1~5:
1. To be used as Relay channel, 10A in each channel
2. To be used as Air Condition Control channel:
channel 1-3 connect as Low-Middle-High Mode;
channel 4-5 connect as Cool and Heat Mode;
Channel 6~16:
Relay channel, 10A in each channel
Channel 17~18:
Dimming channel, 2A in each channel.

System Application

Application 1

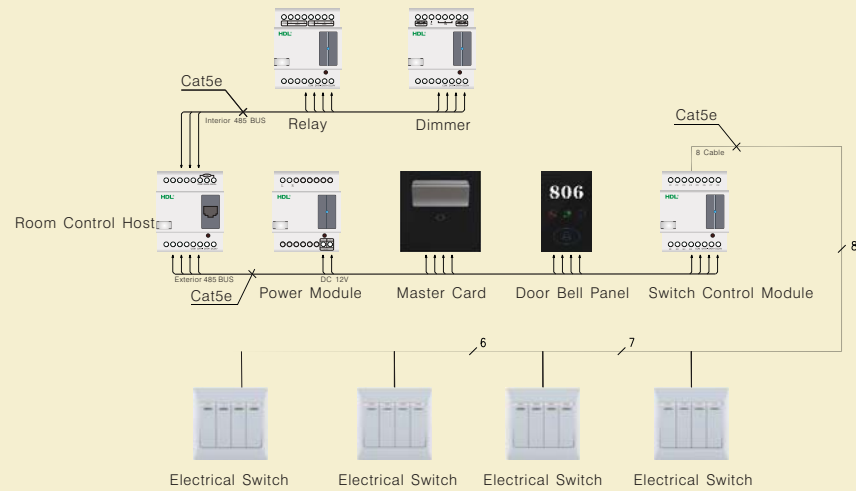


Application 2



System Application

Application 3



Application 4

