

HDL®





Smart Curtains

Create modern and elegant spaces by controlling
your curtains through HDL BUS Pro

www.hdlchina.com



Smart Curtains

➡ Technical Specifications



MWM70B.12

▶ Master motor parameters
Power supply: AC 240V 50Hz
Bus working voltage: DC12-30V
Bus power consumption: 40mA / DC24V
Rated power: 70W
Rated torque: 1.0Nm
Rated speed: 112rpm
Line speed: 16cm/s
Insulation class: E
IP class: IP41
Slave interface: RJ11 network port.
Interface: HDL BUS Pro



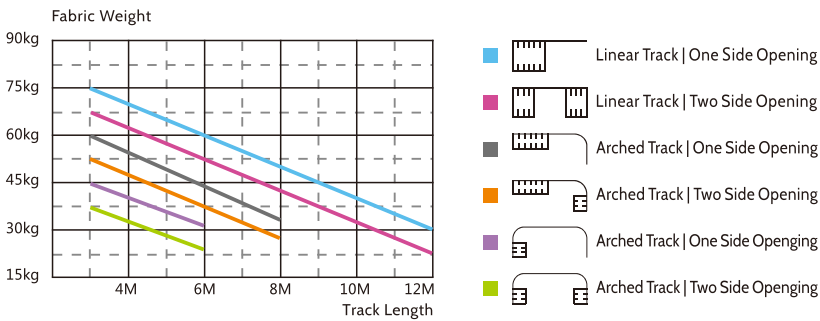
MWM70S.12

▶ Slave motor parameters
Power supply: AC 240V 50Hz
Bus power consumption: 33mA / DC12V
No need to connect to HDL BUS Pro
Rated power: 70W
Rated torque: 1.0Nm
Rated speed: 112rpm
Line speed: 16cm/s
Insulation class: E
IP class: IP41
Interface: RJ11 network port

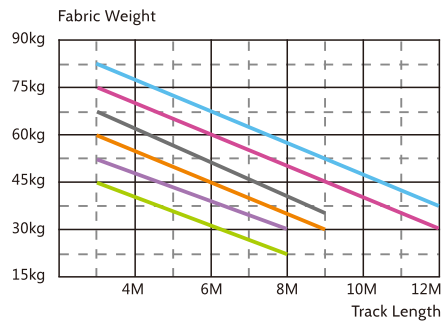
▶ **Why are there MASTER and SLAVE motors?**
Depending on the installation and curtain's weight, you can use just one motor, or add an extra motor to give extra power to the pulleys.

▶ **How long is the curtain's rail?**
The distance of the rail is tailored based on the client's requirements to a maximum length of 12 meters. The rails weight is 50mm.

▶ **Arched rails are available**
Use arched rails to get outstanding finishes for corners and places that are difficult to access.





Load curves one motor type

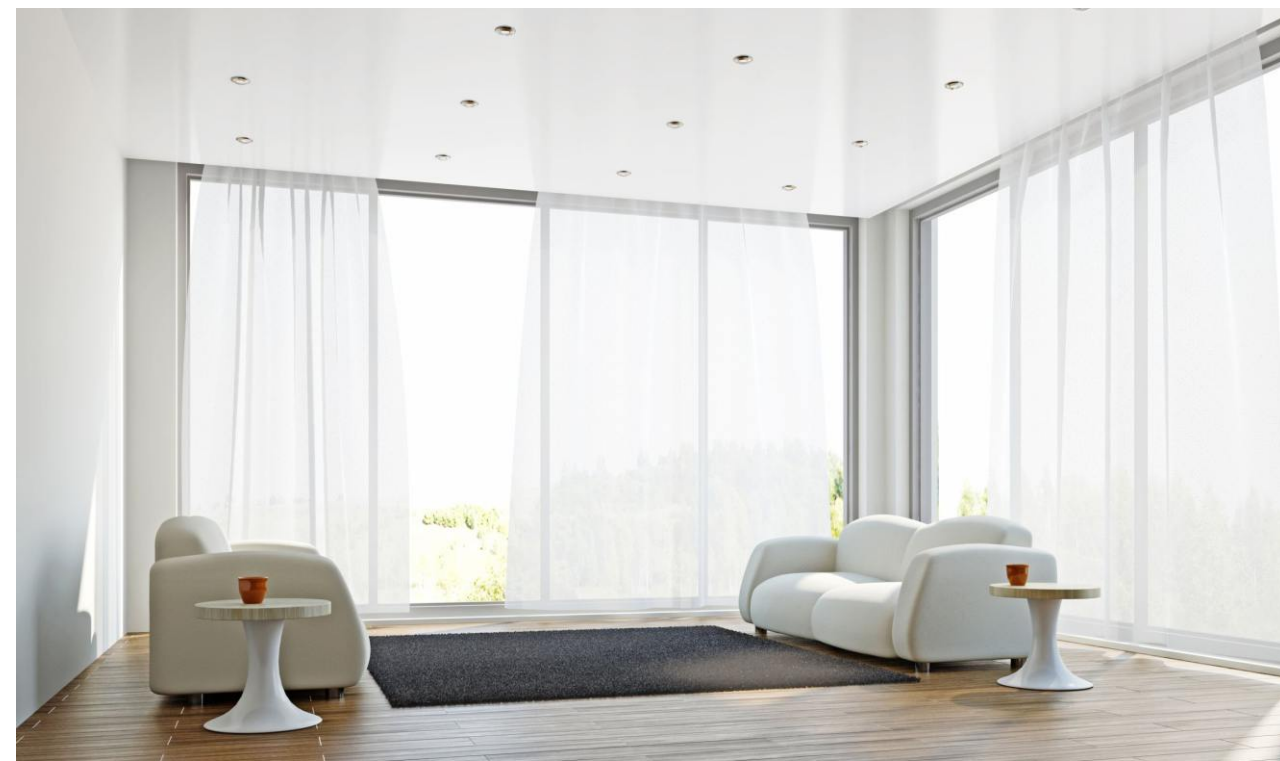
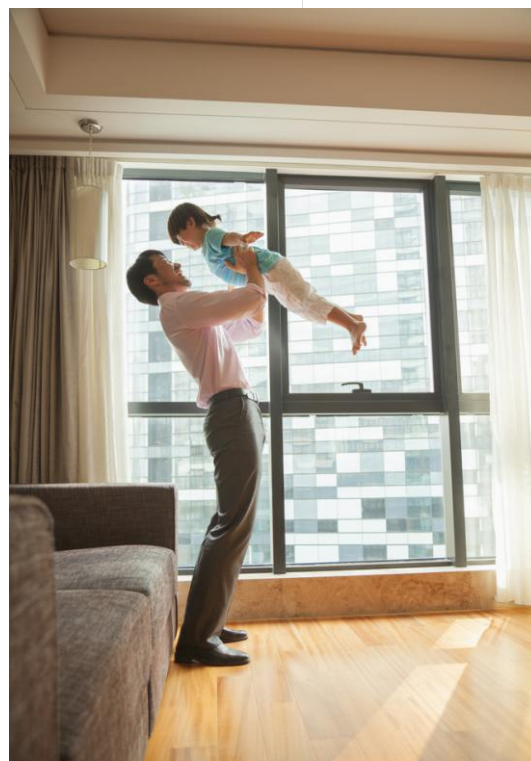


Load curves two motor type



➡ A professional product full of advantages

- 1 Overheat protection**
If the system detects that the temperature exceeds >30°C, the motor will switch off automatically in order to avoid any adverse incident. Once the motor's temperature has fallen back below the safe limit it will continue working regularly.
- 2 Overload protection**
If, during opening or closing, the curtain finds any obstacle or drags on some heavy object, the system will stop right away in order to avoid any damage to the structure or to the curtain's fabric.
- 3 New generation lock**
The motor is connected to the rail using a new-generation lock with a secure latch which joins both parts together with precision and total safety.
- 4 Extremely silent working mode**
The built-in new generation clutch with its precise gear mechanism is specially designed to reduce the noise to 40dB. This noise level is comparable to a library-type study environment.
- 5 Manual mode when powered off**
In situations where the curtains are not powered, or if there is a power outage problem, the manual mode is always available.
- 6 Solid and Robust structure**
The rails and fittings has been made from high-quality materials that provide a solid and robust structure from which to hang and move any kind of curtains. The housings of the motors are small and easy to hide.
- 7 Additional pieces included**
The full-pack includes hooks to fit the curtain to the supports and obtain a sleek and pleasing visual effect. It can use up to six hooks in different positions. Also included are small supports to anchor the curtains to the wall or ceiling.



➡ But that's not everything – there's more

8 Manually trigger opening and closing of the curtains

There are three draw modes: Short, Long and Disabled. Choose between a short or long distance to draw the curtains, and the system will trigger their automatic opening or closing. This function can also be disabled if preferred.

9 Motor running mode forward or reverse

The client can select between two configurations, choose the best configuration and adapt the working mode to the final desired effect.

10 Curtain's position can be displayed

The user can see the full distance and current position of the curtain on the screen because the position of the curtain is measured and received in real-time by the user interfaces, i-Life App or iRidium Software.

11 Auto calibration

The Smart Curtains calibrate the track and distance of the rails by themselves. Furthermore, an optional mode is included that can enable/disable calibration automatically each time the curtains are switched on/off, or are moved to a new location.

12 Easy programming and upgrade

The software to program the Smart Curtains is extremely user-friendly. The user will also find it simple to combine the Smart Curtains with the rest of HDL's product range. Online upgrade is available.



Drag the curtains just a few centimeters in the open or closed direction to trigger the automatic motorized movement. You can set the trigger distance to suit your needs.

➡ Set up your curtains in different ways to suit yourself



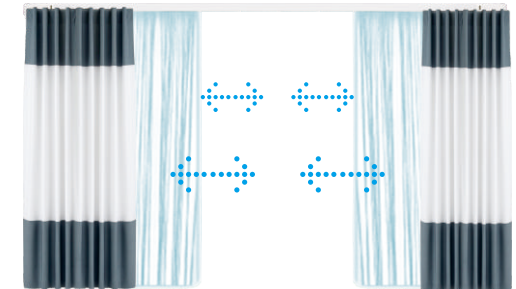
➤ Configuration: Opening/closing in a single direction from left to right.



➤ Configuration: Opening/closing in a single direction from right to left.



➤ Configuration: Opening/closing in both directions.

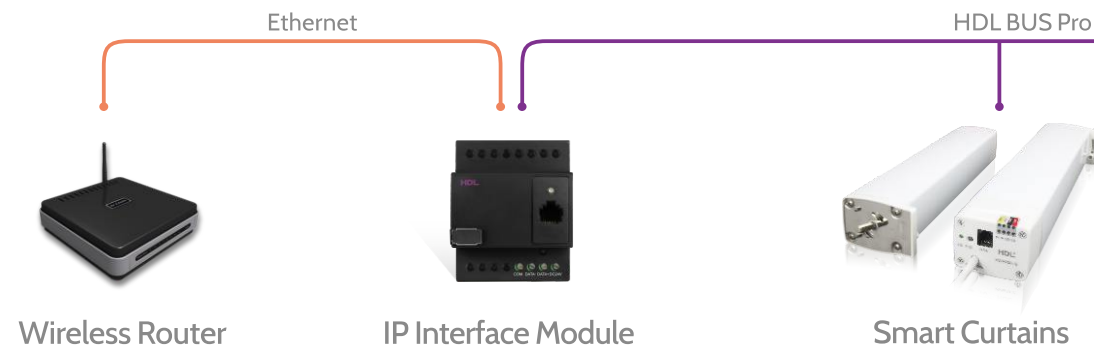


➤ Configuration: Opening /closing with two Smart Curtains synchronized. Single and both directions available.



Utilize the full potential of your HDL BUS Pro...

➡ Basic schematic



➡ Control your curtains from iOS or Android



i-Life App

i-Life is an app developed by HDL especially for controlling HDL BUS Pro from smart phones or tablets. The application has been carefully designed to give an attractive and user-friendly environment, suitable for use by all kinds of people, no matter how technologically-minded. Enjoy controlling all the functions of your automation system wherever you are, whether away from your home or just inside it. Design your own scenes to be applied throughout all of your home / office or just for individual rooms or independent spaces.



The iRidium software package is also a good alternative for controlling HDL BUS Pro. It provides many features, especially the capacity to control different branded automation technologies, audio/video equipment and media servers merged in the same project from just one app. It can be controlled from smart phone, tablet and PC. Moreover, it includes elegant and friendly themes which you can exchange as required.

...Combining your Smart Curtains with:

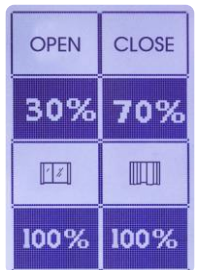
➡ Advanced schematic



DLP

Using the appropriate user interfaces for your Smart Curtains will enhance the user experience. The ideal intelligent switch panel for it is the DLP, which is an elegant and minimalist solution.

Configure your favorite presets and make them easy to recognize with text or icons on the LCD Screen. Everybody will find it easy to learn how to use and take full advantage of the home automation technology.



Logic Module

Automation lovers will be delighted by the logical module. It can set up scheduled oriented actions or program trigger actions when certain parameters are met. Here are few examples:

Using a LUX Sensor, you can select which curtain's will be opened/closed depending on the quantity of ambient light. Using a Wind Sensor, when the strength of the wind exceeds a threshold, the curtains can be drawn back to a safe position. Using a Logic Module, you can set dates and time to automatically open and close the curtains.



Blinds Module

The curtains and the shutters are closely-related elements. When one is moved the other the must be also moved so as not to spoil the pleasing visual effect of the living room or office. When they are well-synchronized they will perform an outstanding and exclusive automatic scene change when you decide its time to move them.



RF Control Remote

Control your curtains and the rest of the functionalities of your entire home as if you were simply changing a TV channel. The user-friendly and adaptable IR/RF remote control shows all the functionalities on its LCD screen. It covers a range of up to 100m from the RF sensor/receiver. Furthermore, it includes a long-life battery which can be charged via USB.



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