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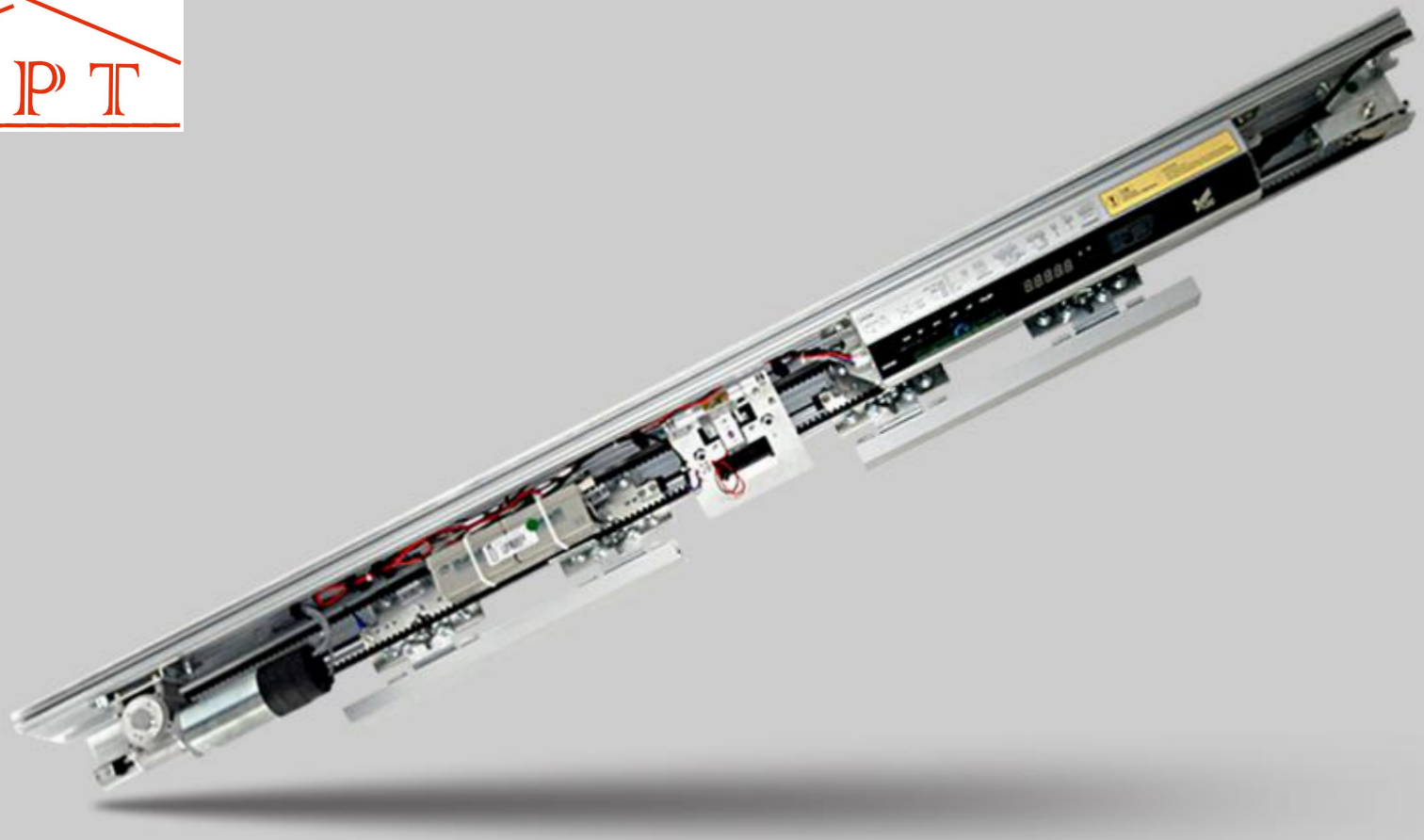


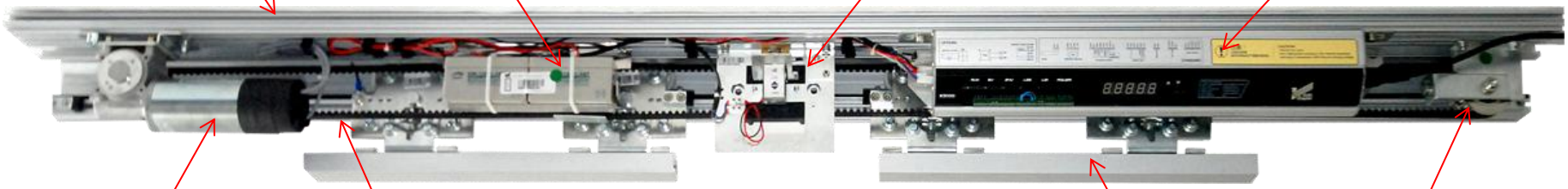
KS100 , The Updated Sliding Door Operator From KBB

Brief Introduction of KS100

When talking about sliding door operator, the first impression in mind are usually the same appearance design, monotonous function & structure etc, almost no new ideas at all.

KBB well versed in this situation, after investigation of automatic doors functions on ***10*** main brands in the industry , on the basis of gathering feedback from more than ***100*** KBB distributors, and took about ***18*** months of countless times test and improvement, we finally successfully launched this landmark product with the model **KS100** .

Exploded View of KS100



Supporting Beam

Backup Battery

Electro Mechanical Lock

Main Control Unit

Drive Unit

Tooth Belt

Reversed Wheel

Carriage Wheels

PSA control panel

Radar

New Design of KS100 – Main Control Unit

The **MCU** (Main Control Unit) of KS100 Integrated several key control boards in one, which could control the function as below.

- **UPS .**
- **Program Selection.**
- **Power Supply.**
- **Parameter and Data Adjusting .**

New Design of KS100 – Main Control Unit

- **POWER INPUT SOCKET :** AC220/110V Terminals.

- **MOTOR** : Motor Plug .
- **BAT** : Battery Backup Plug .
- **LOCK** : E-lock Plug .
- **CHARGE** : Light for Charge .

- **LED DISPLAY**

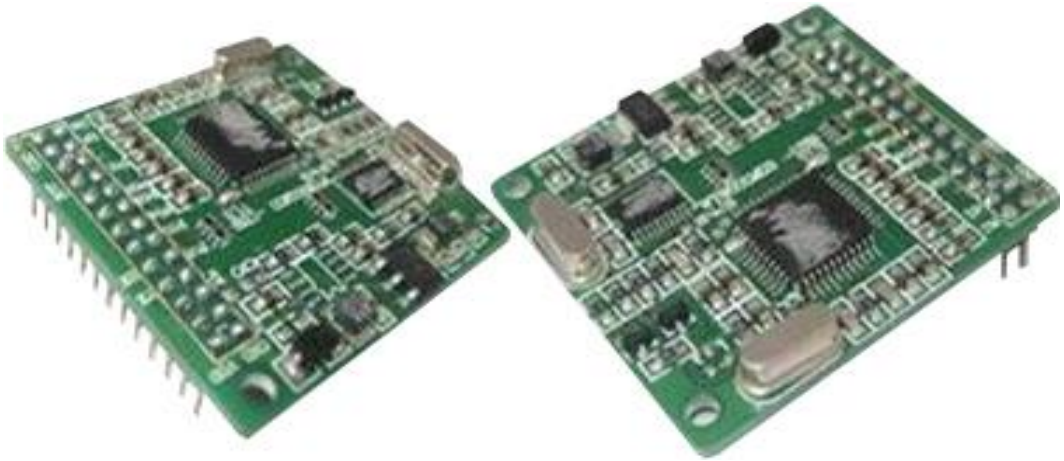
1. Function selector
2. Parameter adjustment
3. Programming
4. Fault diagnosis

New Design of KS100 – Main Control Unit

Indicator Light for Working Status

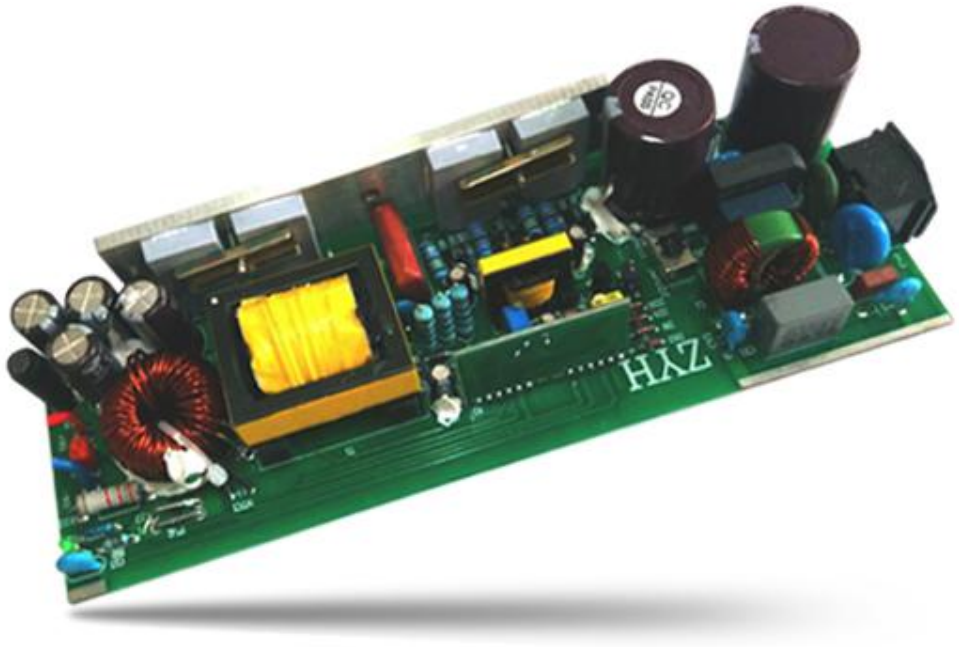
- **RUN**： Blue light on, system ok .
- **5V** ： Red light on, power supply for logic power ok .
- **24V**：Light on, power supply for sensor ok .
- **LS2 & LS1**：Red light on, safety beam activated .
- **POWER** ： Red light on, power supply for 36V drive ok .

New Design of KS100 – Faster Processing Chip



- KS100 used **16 bit** **Dual-core** processor, **Double CPU**, communication and calculation capacity are much more powerful .

New Design of KS100 – Power Supply Board



- Max.350W power supply, with easy switch of AC220V/AC110V, universal supply for different countries .

New Design of KS100 – Drive Unit

- Drive unit and power supply integrated in Main Control Unit, the motor adopt integrated encoder, **IP 54**, which is more reliable in outdoor use .
- Drive unit with **36V** output .
- There is two reduction ratio, **1:10** and **1:15** , suitable for light /heavy door weight .

New Design of KS100 – Door Cycle Counter

- New-added counting function, convenient for statistical data, future development and error diagnosis.

Note : The Door Cycle Counter is the optional part .

New Design of KS100 – Multi-Control Method

There are **3** Control Methods for KS100 - **Key Switch** , **Controller on MCU** , **PSA** .

CODE DISPLAY	Cod01	Cod02	Cod03	Cod04	Cod05	Cod06
WORKING STATUS	Lock	One way	Half automatic	Automatic	Open	Manual

Note : Among them, Key Switch has the priority to all, and Controller on MCU to the last.

New Design of KS100 – Parameters

- From the table below, you will see the excellent **parameters** of KS100 .

Remote communication	RS485 Communication interface, built-in MODBUS RTU communication protocol	less than 1.2km(<256)
Motor reducer ratio	1:10 reduction ratio	1:15 reduction ratio optional
Encoder accuracy	42	
Single part Max. door weight	200KG/Leaf	250KG/Leaf
Bi-part Max. door weight	150KG/Leaf	180KG/Leaf
Opening Speed	0.32~0.80m/s	
Closing speed	0.26~0.80s/s