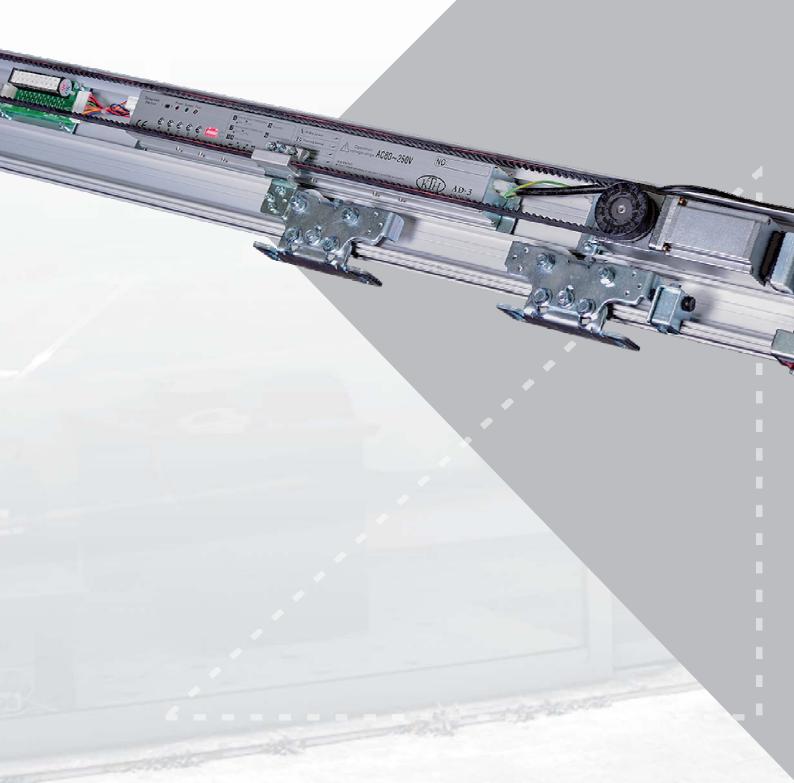
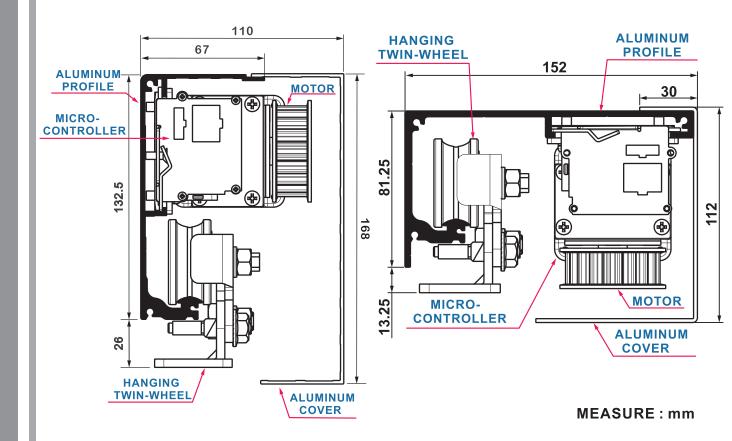
MKTH AD-3 AUTOMATIC DOOR SYSTEM



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SPECIFICATION&PROFILE



TYPE	AD-3					
MODEL	SINGLE-WINGED BI-PARTING					
DOOR WEIGHT	150kg X1(DOOR) 130kg X2(DOOR					
DDOOR WIDTH	500mm~2500mm	500mm~2500mm				
INSTALL WAY	SURFACE INSTALL	SURFACE INSTALL				
MOTOR	DC24V 75W WOI	RM GEAR MOTOR				
CONTROL	USER-FRIENDLY	MICRO-CONTROL				
POWER CONSUMPTION	75W					
VOLTAGE	AC100V~240V					
ENVIRONMENTAL TEMPERATURE	-20℃~+50℃					
VOLUME	60 DECIBEL(MAX.)					
STARTING SPEED	600mm/SEC. 550mm/SEC.					
STARTING TIMES	0~20 SEC. (REGULABLE)					
TRANSMISSION IMPORTANT CONDITION	RACK BELT S8M					
OPENING DOOR RANGE	FULL/HALF-OPEN (REGULABLE)					
PFC POWER EFFICIENCY	0.95(IN AC100V FULL LOAD)					
TRACTION FORCE	3.5 kg					

COMPONENTS



MICRO-CONTROLLER



BELT ROLLER



BRUSHLESS DC MOTOR



COMBINED TERMINAL **BLOCK**





COMBINED TERMINAL **BLOCK FOR EN16005**



SENSORS (OPTIONAL DEVICE)



RACK BELT

(BI-PARTING) **HANGERS & IRON PARTS**



ACTIVE BRACE with BELT FIXER



PASSIVE BRACE with BELT FIXER



HANGING BRACE-4 PCS

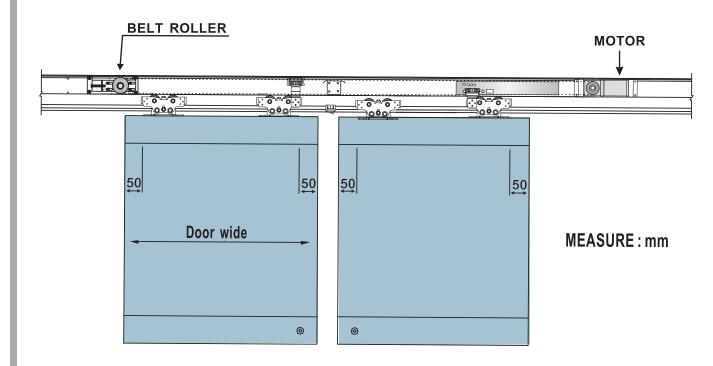


BELT BRACE



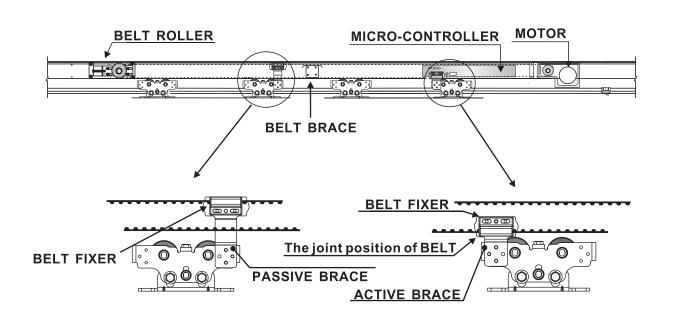
HANGING TWIN-WHEEL4 PCS

THE POSITION OF THE HANGING TWIN-WHEEL



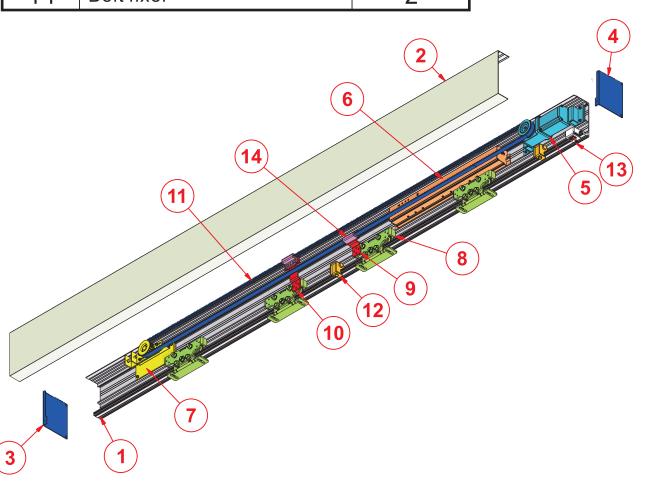
Inside the room, the distance between the HANGING TWIN-WHEEL and the RIM of DOOR must be more than 50mm.

INSTALL THE RACK BELT

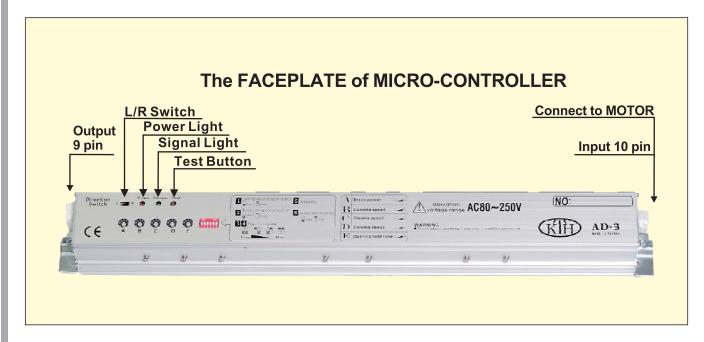


LEGEND OF PART DRAWING

Parts List						
No.	Parts Name	Quantity				
1	"Standard" aluminum profile	1				
2	"Standard" aluminum cover	1				
3	Left side end cap	1				
4	Right side end cap	1				
5	Motor	1				
6	Controller	1				
7	Belt roller	1				
8	Hanging-wheel	4				
9	Active brace	1				
10	Passive brace	1				
11	Rack belt	1				
12	Stopper	2				
13	Power switch	1				
14	Belt fixer	2				



TEST & ADJUST(STANDARD)



Red LED-Power is connected.

Green LED-Input the open door signal.

L/R switch-The direction of the door opening: right/lift(R/L).

ADJUST CONTROLLER-1

A Brake power

The Door-Leaf is slight, the BRAKE POWER is less. Please choose 0~2 if the Door-Leaf is under 50kg. Please adjust number from number 5 if the Door-Leaf is over 80kg.



B The opening speed of the door

Adjust the OPEN SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.

ADJUST CONTROLLER-1

The closing speed of the door

Adjust the CLOSED SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.

The slowing speed of the door

Adjust the SLOW SPEED. Higher number, faster speed.

CAUTION: please adjust the number one by one from low to high.

Opening hold time

Adjust the HOLD OPEN TIME. Higher number, the hold time is longer.

NUMBER	0	1	2	3	4	5	6	7	8	9
SECOND	0	1	2	3	4	5	6	10	15	20



Fingered Switch

Slowing range of opening door

Short Long

Reverse Switch: in order to control opening and closing direction of the Door-Leaf after power resumes.

Slowing range of closing door

Short Long

Operation

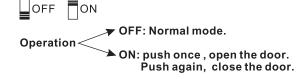
OFF: Normal mode, after power resumes, the Door-Leaf opens the door first.

ON: suitable for Security System, after power resumes, the Door-Leaf closes the door first.

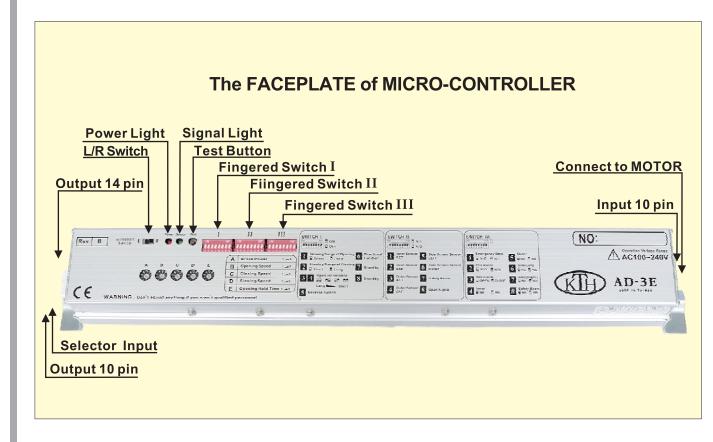
3 4 Open incomplete



6 Directional function



TEST AND ADJUST(EN16005)



Red LED-Power is connected.

Green LED-Input the open door signal.

L/R switch-The direction of the door opening: right/lift(R/L).

ADJUST CONTROLLER-1

🛕 🛕 Brake power

The Door-Leaf is slight, the BRAKE POWER is less.

Please choose 0~2 if the Door-Leaf is under 50kg.

Please adjust number from number 5 if the Door-Leaf is over 80kg.

B The opening speed of the door

Adjust the OPEN SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.

C The closing speed of the door

Adjust the CLOSED SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.

The slowing speed of the door

Adjust the SLOW SPEED. Higher number, faster speed. CAUTION: please adjust the number one by one from low to high.

Opening hold time

Adjust the HOLD OPEN TIME. Higher number, the hold time is longer.

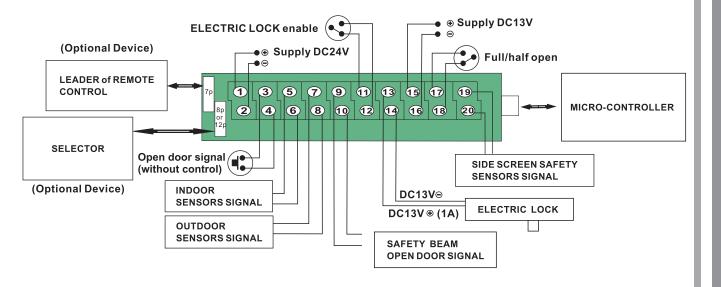
NUMBER										
SECOND	0	1	2	3	4	5	6	10	15	20

ADJUST CONTROLLER-2

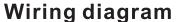
The Slowing Range of Opening and Closing Door is controlled by "Fingered Switch". There are two kinds of choice: SHORT and LONG range. (The setting of production is SHORT ange).

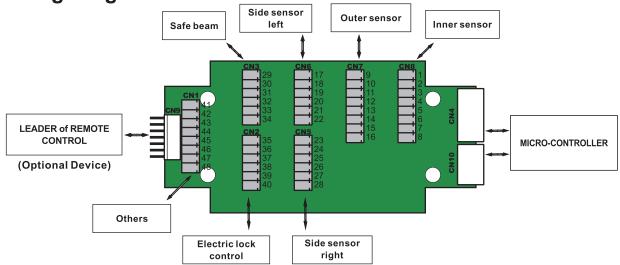
Switch I	
Short Long	Reverse Switch: in order to control opening and closing direction of the Door-Leaf after power resumes.
Short Long	OFF: Normal mode, after power resumes, the
3 4 Open incomplete Long Short	Door-Leaf opens the door first. ON: suitable for Security System, after power resumes the Door-Leaf closes the door first. 6 Directional function
	-
	OFF None of the other
	OFF: Normal mode. ON: Push once , open the door. Push again, close the door.
	7 8 Standby
Switch II	
Inner Sensor ☐ N/O ☐ N/C ACT	5 Side Screen Sensor N/O N/C LEFT
2 Inner Sensor N/O N/C SAF	6 Side Screen Sensor 🖫 N/O 🗂 N/C Right
3 Outer Sensor ☐ N/O ☐ N/C ACT	7 Safely Beam N/O N/C
4 Outer Sensor ☐ N/O ☐ N/C SAF	8 Open Signal N/O N/C
Switch III	
1 Emergency Stop □ N.O. ■ N.C.	5 Outer No Yes
	6 Side(Left) No Yes
3 Fire Alarm OPEN CLOS	
4 Inner No Yes	8 Safety Beam No Yes
Fyi. (4)-(7) are for the function of Monitored	d Sensor.

WIRING DIAGRAM OF TH-100(STANDARD)



WIRING DIAGRAM OF TH-100(EN16005)





The ILLUSTRATED of WIRING.

REMOTE CONTROL (OPTIONAL DEVICE)



COMBINED TERMINAL BLOCK



COMBINED TERMINAL BLOCK

MICRO-CONTROLLER

■ TH-125 (NEW)-REMOTE CONTROL

- 1. Transmitter is 20 bit digital code that is much safety and use fix-frequency component to transmit signal. The frequency of transmitter won't be affected by battery consumption and outside environment.
- 2. Wireless receiver use super-heterodyne from U.S.A... The receiver is stably, anti-interference, no extra-wave.
- 3. Control unit is 8 bit single chip. The order is accurate and action is correct.



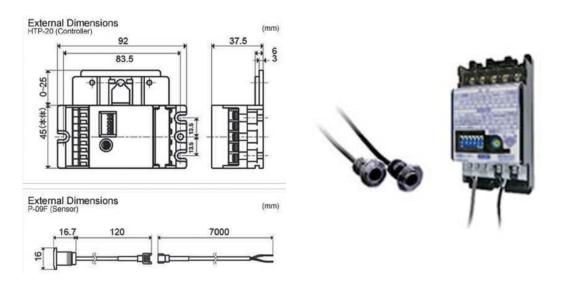
TH-136-MULTIFUNCTION DIGITAL SWITCH

- 1. Particular Memory Mode according different sessions to work.
- 2. Safety Alarm by itself to avoid danger happening.
- Optional Language for easier operate in your location
- 4. Date and Time setting
- 5. Easy to install and program.
- 6.Beautiful and clear LCD panel
- 7. With buttons lock-on function

VOLUME	124.5X80X38.5(mm)
NET WEIGHT	0.46kg
ACCESSORIES	One piece of 5M cable



HTP-21C-SAFETY BEAM(HOTRON)



- 1.Beam sensor consisting of a controller and a single or dual set of infrared beams.
- 2. No need to use tools for wiring connection with compact controller.
- 3. Available to select penetration set-up or direct reflection set-up by setting switch.
- 4.Blink(under penetration setting), ON or OFF of LED tells you about the most suitable setting of volume adjustment by microcomputer control.

HR942D-INFRARED RAY SENSOR



- 1. The sensor body can be angled at up to 10° to ensure timely detection of fast moving traffic.
- 2. Presence timer settings adjustable to 2, 15 60 and 180 seconds.
- 3. The sensor microprocessor automatically takes countermeasures against adverse conditions such as falling snow and strong sunrays and electrical noise.
- 4. Quick installation and easy to adjust.
- 5. Active area is very specific with high degree of adjustment flexibility.
- 6.12-24V AC-DC operations, Normal Open relay.
- 7. Simple design to suit with every Automatic Door.

HR100-CT-ACTIVATION+MONITORED SAFETY(HOTRON)

Advanced Unidirectional Detection Sensor with Monitored Safety and Unique"Door Learn" Ability

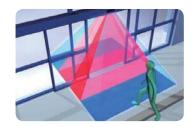




Pioneering super sensor offers pedstian door activation and unprecedented safety at mounting heights of up to 3m







Energy Efficient

Intelligent unidirectional detection ability reduces door hold open time by 20% and building energy loss by 6% in a standard installation.

Unparalleled Pedestrian Safety

Unique ability to memorize door motion allows the infrared safety unparalleled pedestrian safety.

Versatile

Flexibility to adjust the door activation and pedestrian safety detection zones independently makes the HR100-CT the ideal sensor for every sliding door installation

Ease of Installation

All the information necessary to install the HR100-CT sensor is printed on the sensor body

HR94D1-C1- MONITORED SAFETY(HOTRON)

Monitored Sliding Door Side Screen or Door Threshold Pedestrian Safety Sensor.





ACCESSORY FOR EN16005 OPERATORS







Versatile and simple to set up, the HR94D1-C1 protects pedestrians from the dangers of both opening and closing sliding doors at mounting heights of up to 3m

Sliding Door Side Screen Pedestrian Safety

Protect pedestrians from the dangerous leading door edge during door open cycles with a dense curtain of infrared safety

Door Threshold Pedestrian Safety

Safeguard pedestrians from hazardous door closures due to a shallow but wide infrared safety curtain that is monitored once per door cycle

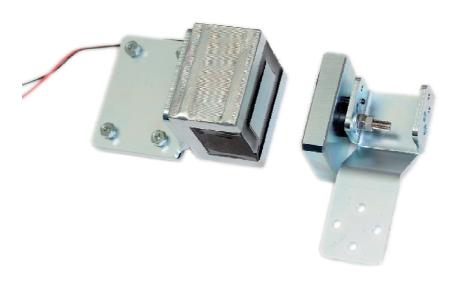
Solid & Reliable

Avoid the risk of loss or damage to individual sensor parts through a one piece sensor body construction

Simple to Install

Install with ease without the need for a remote control thanks to comprehensive instructions printed on the sensor body

TH-201-MEGNETIC LOCKS



- 1. Main subject molded integrally and it can simplify installation procedures
- 2. Use aluminum alloy frame, strong crashworthy
- 3. Compact size, it can follow the installation (door type, sliding type)

TH-200LK-ELECTRIC BOLT



- 1.Don't increase the temperature while it running and working.
- 2. Tough and durable. There is no problems about the lock be lodged.

■ TH-135-FUNCTION KEY SWITCH





- 1.It's is suitable any Door Operator of KTH.
- 2. Easy to install and adjust.

SIX PRESS FUNCTION

1. DOOR OPEN

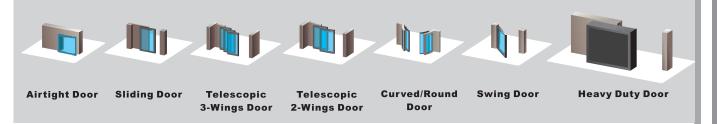
2. IN ONE-WAY

3. AUTO

4. OUT ONE-WAY

5. DOOR CLOSE

6. FULL/HALF



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