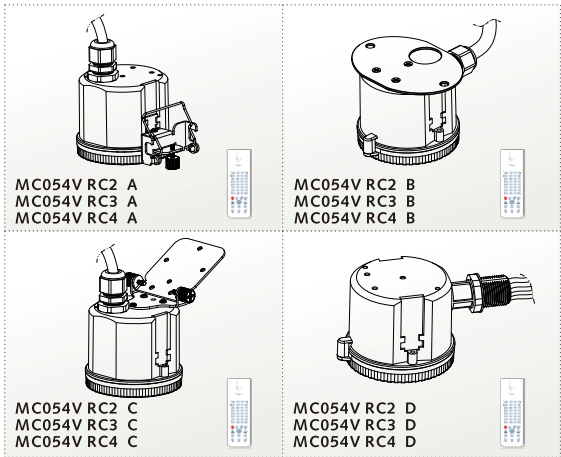


MC054V RC2/MC054V RC3/MC054V RC4



Lighting Control Switch USER'S MANUAL
Model No.: MC054V RC2/MC054V RC3/MC054V RC4



EN
Instruction
MI230609A4

FEATURE

- Sensor parameters can be conveniently set by a remote control.
- Mounting height up to 49.2 ft (15m)max. , suitable for warehouse use.
- Water proof sensor with IP65 rating.
- Automatic dimming when used in combination with 1-10V dimmable control gears.
- Built-in adjustable daylight sensor.
- 1-10V interface can match up with Merrytek stand-alone daylight sensor MS01 and achieve daylight harvesting.
- Optional mounting brackets for different application.

SPECIFICATIONS

Input voltage	220-240Vac, 50/60Hz(AUS/EURO) 120/277Vac,50/60Hz(USA)
Rated load (EURO/AUS)	800W-Inductive 1E4 1200W-Resistive 1E4
Rated load (USA)	120Vac 50/60Hz 4A E-ballast 277Vac 50/60Hz 3A E-ballast
Surge current of load	50A (50% Ipeak, twidth =500uS, 277Vac full load, cold start); 80A (50% Ipeak, twidth =200uS, 277Vac, full load, cold start)
Detection area	100%/75%/50%/25%
Hold time	5s/30s/1min/3min/5min/10min/20min/30min
Daylight sensor	5Lux/15Lux/30Lux/50Lux/100Lux/150Lux/Disable
Stand-by period	0s/10s/1min/3min/5min/10min/30min/+∞
Stand-by dimming level	10% / 20% / 30% / 50%
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz±75MHz, 1SM wave band
Mounting height	49.2 ft (15m) Max.
Detection angle	150°(Wall installation), 360°(Ceiling installation)
Motion detection	1.6~3.3 ft/s(0.5~1 m/s)
Operating temperature	-35°C~55°C
IP rating	IP65 (INDOOR USE ONLY)
Factory Setting	Detection area:100%, Hold time:5s, Stand-by Period: 0s, Stand-by dim level:10%, Daylight Sensor: Disable
Overvoltage Category	– 4000V
Control Type - Operating	type 1.B
Software - Class A	
Pollution Degree	- 2

GENERAL GUIDELINES FOR INSTALLATION

- 1, The sensor should be installed by a qualified electrician. And ensure that the electricity supply is switched off before installing or servicing the product.
- 2, Installation inside a glass or plastic housing will result in a reduction of detection sensitivity. Expect a reduction of approximately 20% for every 3mm of thickness.
- 3, Detection area will be affected by speed of motion, height of installation and volume of moving object.
- 4, Daylight sensor was tested on sunny environment with no lampshade. ambient lux level could be different under different weather, climate, season or environment

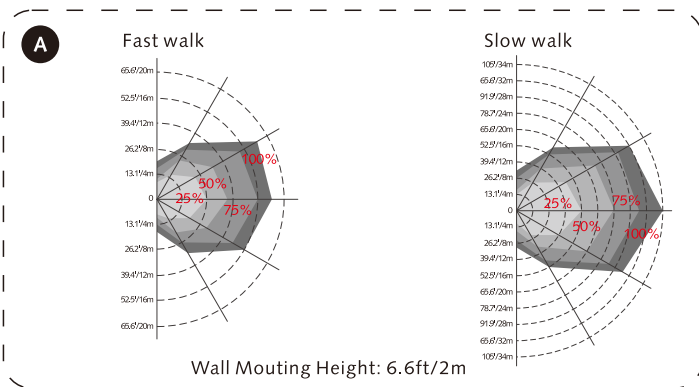
APPLICATION NOTICE

- 1, Sensors settings may need to be adjusted to match installation site, please follow below instructions or contact manufacturer.
- 2,The sensor is designed for indoor use only. Outdoor use for a long time may reduce the waterproof effects. The raining or wind blowing may trigger the microwave sensor even if without human motion when outdoor use.
- 3, The distance between any two sensors should be at least 3m to avoid interference with each other.
- 4, When the microwave sensor is installed in a metal lighting fixture or space with large reflector, for example a warehouse with metal roof, the microwave will be reflected and cause the lights permanently illuminated even if without motion signal. Please reduce the detection area (sensitivity) to solve the problems, or contact the microwave sensor manufacturer to provide technical support.
- 5, Make sure the sensor not close to or be blocked by high density material, such as metal, glass, concrete walls etc. The materials will reduce or block microwave and cause false trigger.
- 6, Make sure there are no fans or other vibrating objects in installation area. The movements will trigger sensor as well.

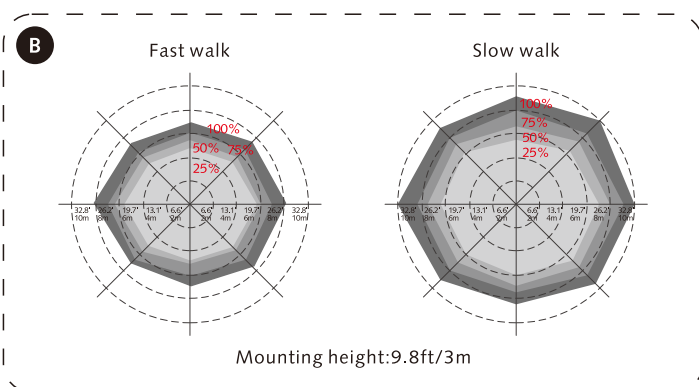
INITIALIZATION

- 1, ON/OFF function or 3-step dimming function:
After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it completely turns off light.
During the initialization, the sensor is not able to detect movement.
- 2, 2-step dimming function:
After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it dims the light to a low light level (set by stand-by dim level). During the initialization, the sensor is not able to detect movement.

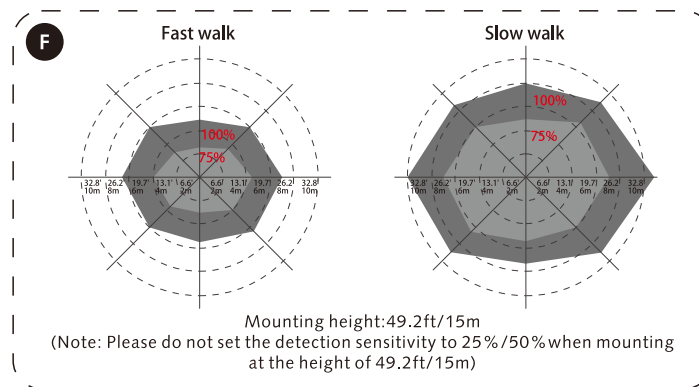
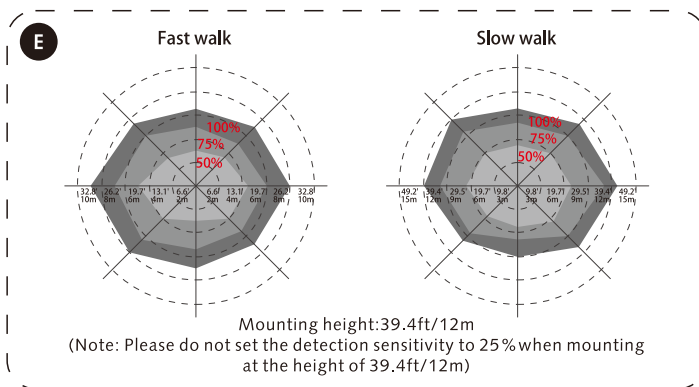
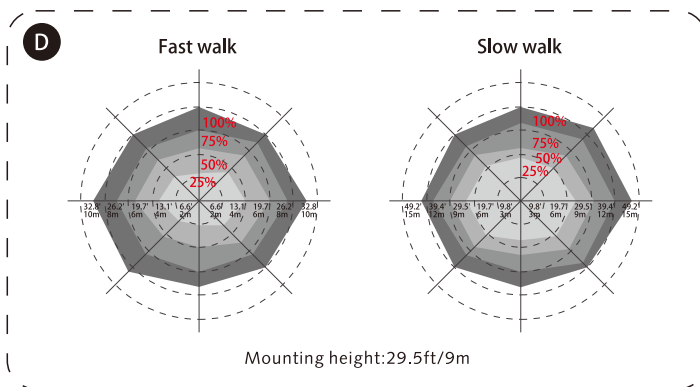
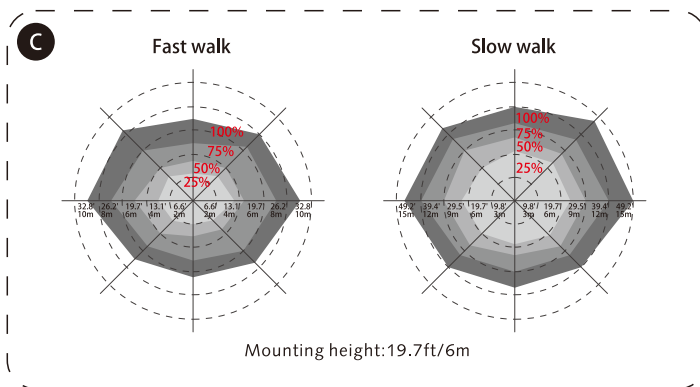
DETECTION PATTERN(FOR WALL MOUTING)



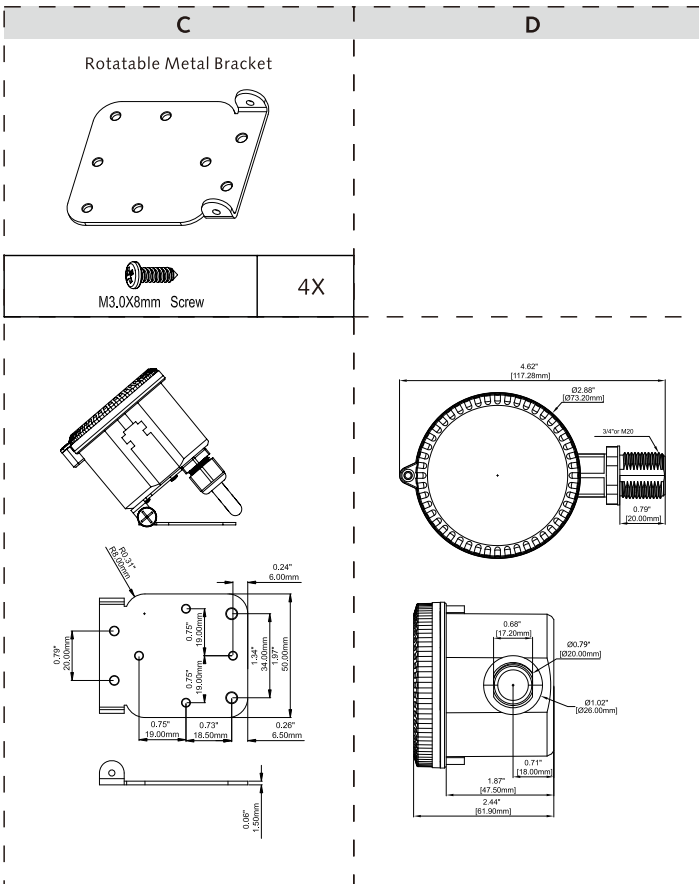
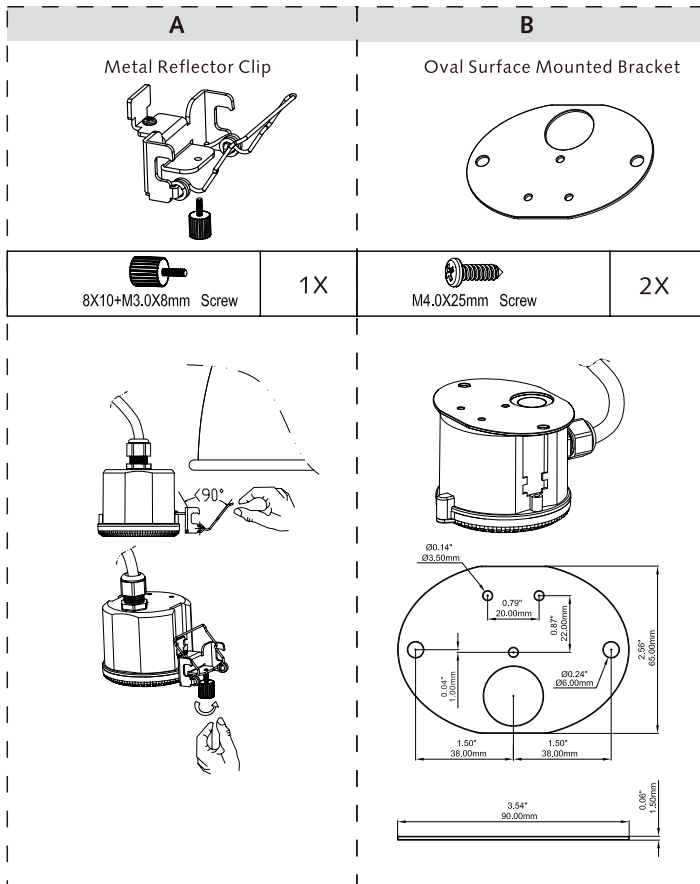
DETECTION PATTERN(FOR CEILING MOUNTING)

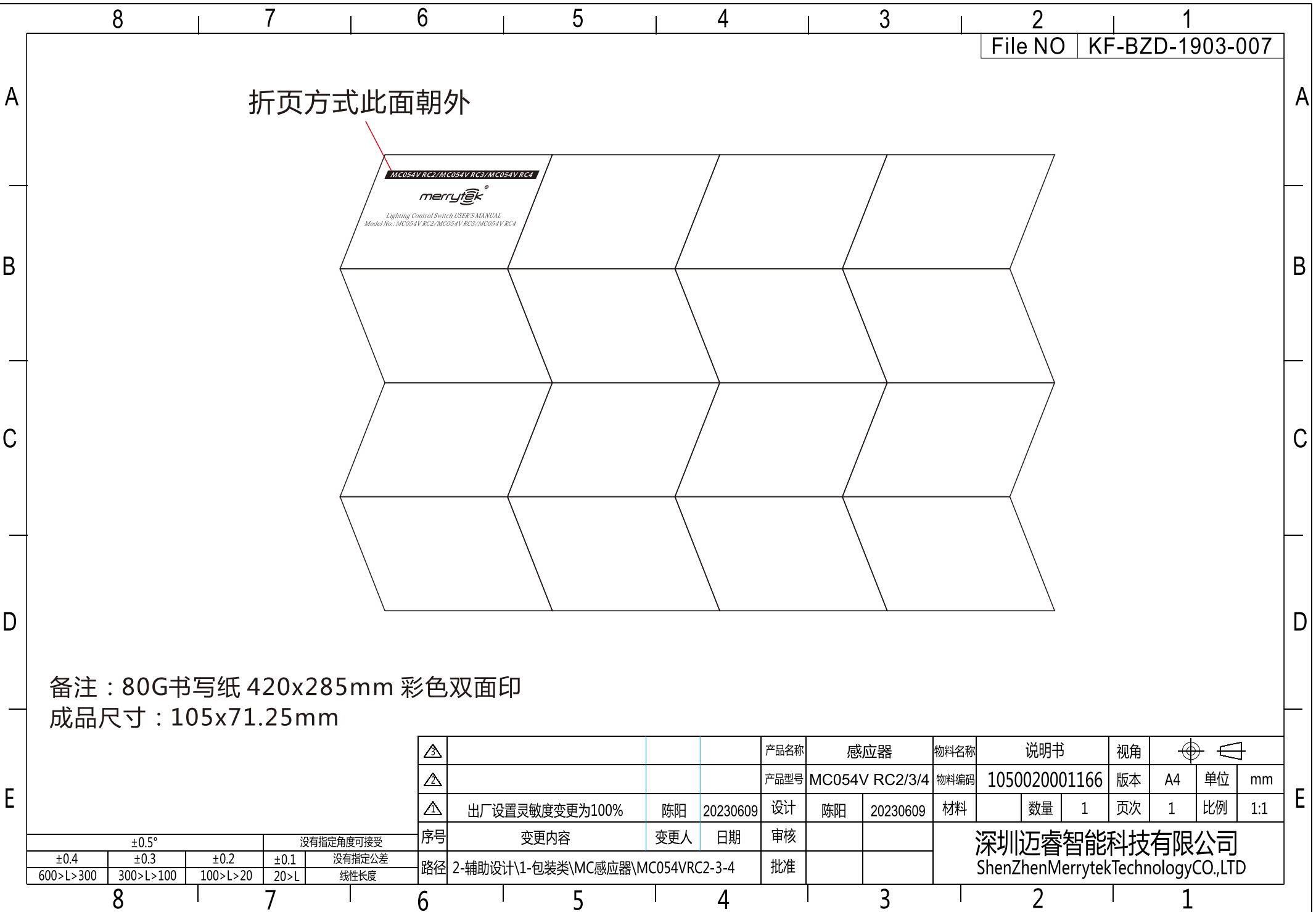


DETECTION PATTERN



INSTALLATION





折页方式此面朝外

MC054V RC2/MC054V RC3/MC054V RC4
merrytek
Lighting Control Switch USER'S MANUAL
Model No.: MC054V RC2/MC054V RC3/MC054V RC4

备注：80G书写纸 420x285mm 彩色双面印
成品尺寸：105x71.25mm

±0.5°					△3				产品名称	感应器	物料名称	说明书	视角			
±0.4	±0.3	±0.2	±0.1	没有指定公差	△2				产品型号	MC054V RC2/3/4	物料编码	1050020001166	版本	A4	单位	mm
600>L>300	300>L>100	100>L>20	20>L	没有指定角度可接受	△1	出厂设置灵敏度变更为100%	陈阳	20230609	设计	陈阳	20230609	材料	数量	1	页次	1
					序号	变更内容	变更人	日期	审核			深圳迈睿智能科技有限公司 ShenZhenMerrytekTechnologyCO.,LTD				
					路径	2-辅助设计\1-包装类\MC感应器\MC054VRC2-3-4			批准							