

**AUTOMATIC SLIDING DOORS**  
**Operators Manual**

**For the following models**

**Structural**  
**Compact**  
**Low Profile**

***“Proudly Western Australian OWNED  
and OPERATED, Est. 1994”***



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## Features

**Dual photo-electric safety beams** – Used to look for people or objects in the doorway. If the beam(s) are broken the door will stay in the open position so as to not close on the object or person.

**Safety reversing during the opening and closing cycle** – If your door senses a foreign object blocking normal operation it will stop and slowly move in the opposite direction for approximately 150mm to allow the release of the obstacle before trying to operate again.

**Low speed retry from safety reverse** – As per above, your door will reverse its direction in order to optimize safety. Rubek automatic doors do this in BOTH directions.

**Security control interface** – Simple and clearly marked connections for security staff to connect building management systems and/or alarm systems into.

**Fire alarm interface** - Simple and clearly marked connections for security staff to connect building management systems and/or alarm systems into.

**People counting capability** – If you would like to monitor the amount of pedestrian traffic or door operations over a given time we can install a counter so this can be achieved.

**Fully automatic failsafe or uninterruptible power supply function** – In the event of a mains power fail, your doors will continue to operate as per the mode switch position selected at the time. A standard 12 v, 7Ah battery would provide approximately 2000 door operations (standard with all models).

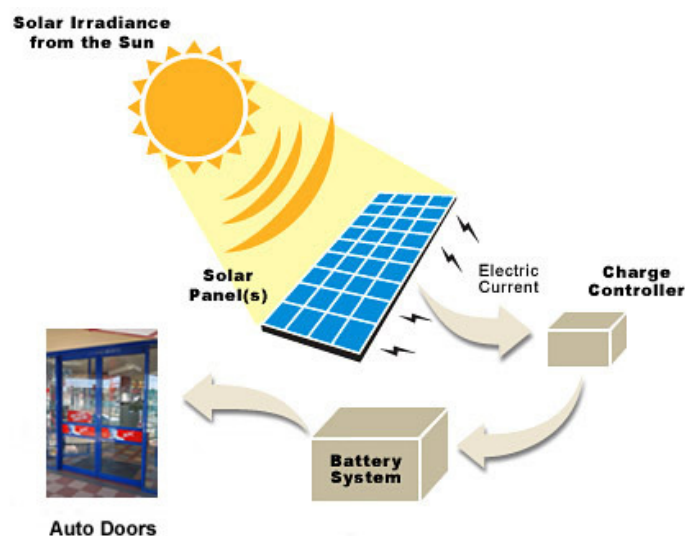
**Fully adjustable opening and closing speeds** – Our service technicians set your open and close speeds on commissioning of your doors. We also check and adjust at

regular service intervals. If you would like the door speeds changed call us for more information.

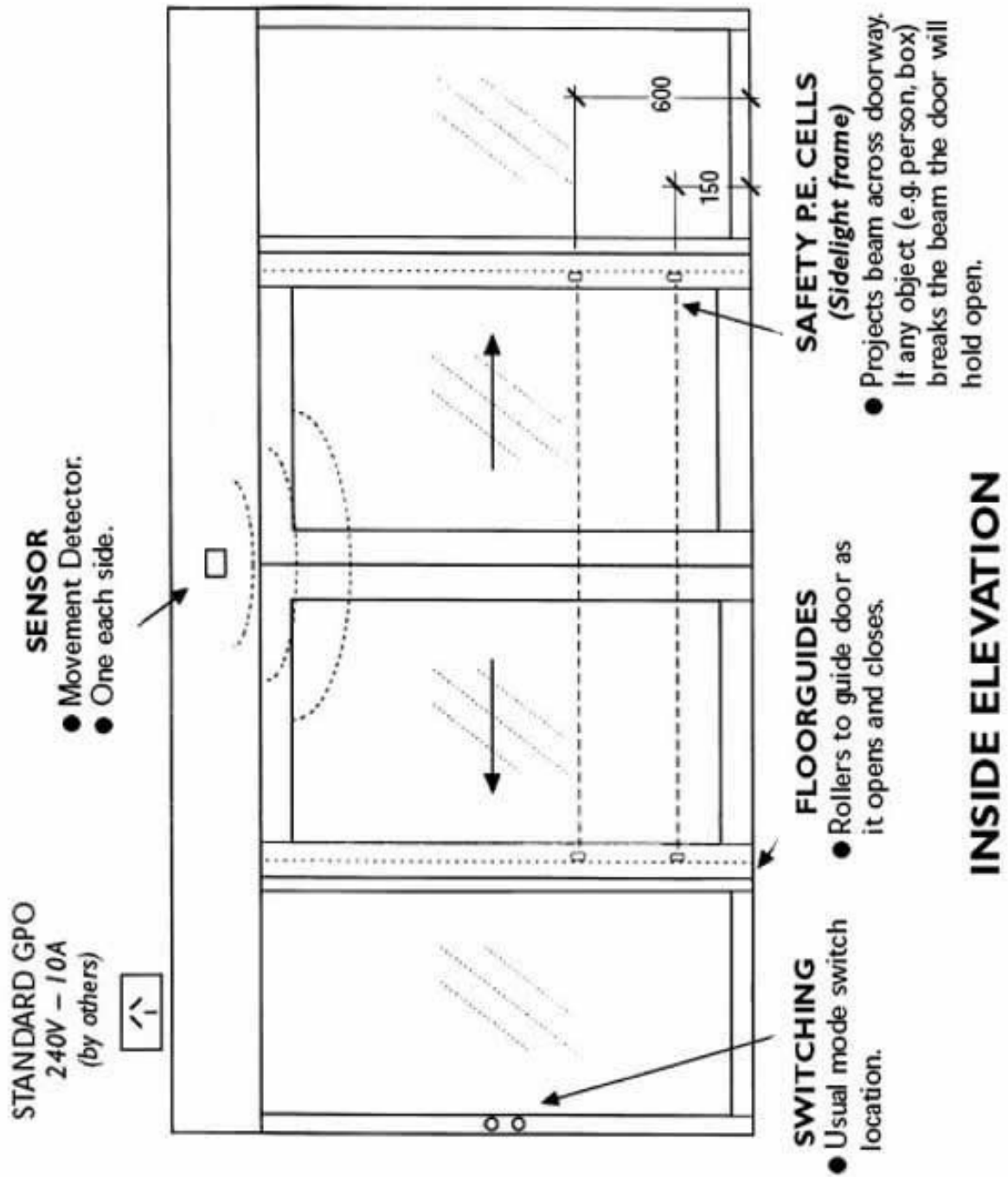
**Fully adjustable hold open dwell time** – This is the length of time your door remains in the open state before closing. As per speed setting, this is set during commissioning and at service intervals. If you would like this adjusted please call us for more information.

**OPEN, AUTO, LOCK and OFF mode functions** – Refers to the mode selector switch and allows you to select how you would like your door to operate. For example a service station may want a door to operate automatically ( AUTO ) during the day and then operate in LOCK mode at night. This would mean that the external sensor is effectively off allowing the person behind the counter to press a button to open the door to let people in so they maintain maximum security when it is needed most.

**Solar function** – All Rubek automatic door operators have the option of running on solar power. If you would like to take advantage of the longer term cost savings available by using free power please call us for more details and a quotation to suit your individual needs.



## Standard Accessories



**INSIDE ELEVATION**

## Operator Configuration

**The Rubek Automatic Sliding Door operator is available in two forms:-**

1. Standard operator
2. Standard operator with electric lock ( Motor Lock )

**The Major components of the standard unit are:-**

- The sliding door operator – self contained in aluminium beam housing with fitted colour coded or anodised pelmet.
- Motion detector sensors – fitted centrally inside and outside the door entrance to detect people entering or exiting and opening the door(s). Motion sensors can vary depending on the location of your doors.
- A mode switch, which controls all the doors functions. This can be installed inside the building at a position convenient to safe door operation. Some clients install the mode switch next to the door entrance while some prefer it to be located behind a reception counter.
- Infrared safety beams. These are installed in the door frame and detect if someone is still standing in the doorway and if so hold the doors in the open position. Safety beams can be substituted for a Crystal Presence radar motion detector which will not only monitor the approaching traffic to the door but will also look for people or obstacles in the door way.

Some installations include other control devices such as swipe card readers, interfacing with building security systems, time locks to control door locking and operation between certain times or remote controls. Manual and emergency activation buttons, such as break glass switches, can also be installed where required.

To secure a standard door operator without an electric lock fitted, a standard lock must be fitted. Locks must be fitted in compliance with current building codes and fire safety regulations.

## Mode Switch Functions

**OFF** – Switches the door off. The door can still be used manually in both directions. All sensors are still active but in this mode the controller ignores them and will not activate the doors.

**AUTO** – For normal door usage. The door will operate automatically to two-way traffic.

**OPEN** – Drives the door to the open position where it will remain. All sensors are active.

**LOCK** – Disables the movement sensors and prevents people from entering the premises. The sensors will still have power applied to it indicated by the red LED but the controller will ignore its inputs. Typical use is for after hour's access control.

# Safety Features

## Power Failure

All units include a battery backup. The battery backup supplies power to the door if the mains power supply fails. This ensures that your door will function normally in the event of a power failure. If you have an electric lock installed, then your entrance will remain secure while the lock is activated.

If **OFF** mode is selected then there will be no perceivable difference to the door operation. The door can still be pushed open if required. As per the current Australian Standard this force will not exceed 220Nm for a normal entrance way or 110Nm if the entrance is a designated emergency exit.

If **AUTO** is selected then your door will continue to operate as normal until power is returned. Rubek doors have been proven to provide in excess of 2000 operations on battery backup. If in the event that battery life was exceeded due to a prolonged power outage, then your door will remain in the unlocked (where electric lock is fitted) or open state (as per current Australian Standards and fire safety codes) until power is returned.

If **LOCK** is selected then your door will still remain locked. If in the event that battery life was exceeded then the same applies as per the AUTO function above.

All Rubek operators fully comply with current Australian Standards, Building Codes of Australia and Fire Safety Regulations. **Our operators will continue to function normally in the event of power failure which means that security is also maintained. Some other brands DO NOT maintain your SECURITY as long.**



## **Obstruction on opening OR closing**

If an obstacle stops the door from fully closing OR opening the door will stop and retract before trying to open or close again. The pressure needed to stop the door will not exceed 130Nm as per the current Australian Standard (AS5007-2007). After the present number of attempts has been made the door will stop and wait until the obstruction is cleared. Only after removing the obstacle and resetting the door will the door return to normal operation. The door operator can be reset by simply activating one of the motion sensors. The door will now return to normal operation.

## **Audible alarms**

An audible alarm is provided for easy identification of low battery condition.

The sequence of alarm beeps is as below.

Constant beeping – battery is low. Check the GPO power outlet is switched on. Beep will continue for a short time after main power is reinstated until the battery charge reaches a sufficient minimum charge level.

## Maintenance and Warranty

The responsibility of the maintenance of your automatic door operators rests with the building owner and/or agent. Australian Standard, AS5007-2007 recommends all automatic doors to be **serviced at least once every four months, or as per manufacturers recommendations. Please note that AS 5007 is a guideline only and not a mandatory Standard.** Rubek typically recommends one maintenance call per year after the warranty period. If you would like to organise regular servicing for your doors, please call us and we would be happy to help.

All Rubek Automatic Doors come with a 12 month labour and 24 months parts warranty. During this time you should call Rubek Industries (08) 9302 3200 for all service related issues.

Rubek Automatic Doors operates a policy of training regional people to maintain their own doors and further reduce the high expense that can be incurred by traveling from Perth for service calls. Call our service department for further information.

We also do NOT use any propriety programming devices with any of our door operators so any maintenance staff can easily be trained or walked through the process over the phone if needed.

# Troubleshooting

## **If a fault is suspected**

In the first instance, check for an audible alarm. Check the mode switch is set in the appropriate position and that the power to the door operator is switched on.

Faults indicated by an audible alarm can normally be cleared by triggering a movement sensor.

## **Is the power switched on?**

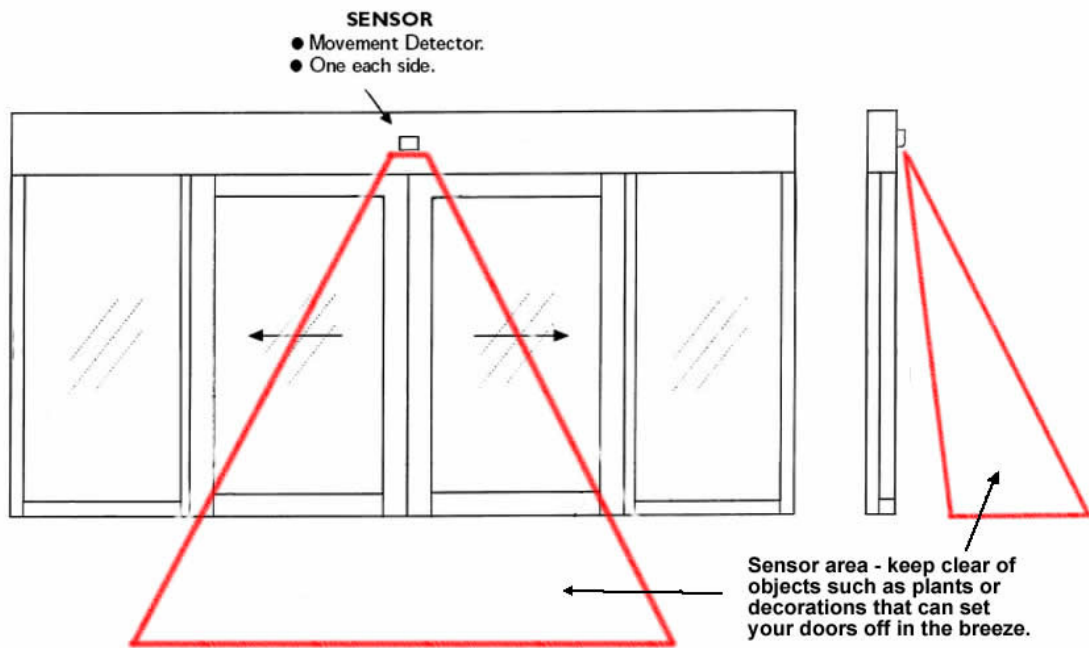
The operator is normally plugged into a local power outlet at one end of the operator. Check that the plug is properly in the socket and that the switch is on.

The movement sensors have a red light. If there is no light, there is no power or an internal fuse has blown.

## **Door opens and closes randomly**

This is sometimes caused by something moving or changing within the immediate area of the door. Movement sensors look for moving objects just in front of the door. Examples of this can be plants, hanging decorations or similar objects moving in the breeze. Move them if in doubt.

Has a movement sensor been moved recently? Normally sensors are installed at a shallow angle off vertical and look at an area about 3 metres wide and 2 metres in front of the door. Any thing moving in this space will trigger your door to operate.



### Door does not open automatically

- Is the door unlocked?
- Is the power on?
- Check the mode switch function is correctly set...ie AUTO.
- Does the operator emit any beeps – see Audible Alarms
- Is there a physical object stopping the door from opening? Shopping trolley, floor mat, stones or foreign object(s) under the door etc...

### Door does not open fully

- Does the operator emit any beeps – see Audible Alarms
- Is there a physical object stopping the door from opening? Shopping trolley, floor mat, stones or rubbish under the door etc...

### **Door stays open**

- Is the OPEN position selected on the mode switch? If so the door is operating normally. For normal access AUTO should be selected.
- Does the operator emit any beeps – see Audible Alarms
- Is something stopping the safety beams from seeing across the doorway? If so remove the obstruction.

### **Door does not fully close**

- Does the operator emit any beeps – see Audible Alarms
- Is something stopping the safety beams from seeing across the doorway? If so remove the obstruction.

**If the above does not fix the problem, do not remove the cover. Call Rubek Automatic Doors (08) 9302 3200 and we can help advise you further.**

## **Contact us**

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sales@rubek.com.au**

**OR**

**You can lodge a priority service call here:**

**[www.rubek.com.au/servicecall.php](http://www.rubek.com.au/servicecall.php)**

**(08) 9302 3200**

**And we will respond straight away 24 hours a day 7 days a week.**