

Get Smart With Roll-Up Doors That Reset Themselves

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Access between areas within a facility and between the facility and its exterior plays a large part in achieving a balance between safety and productivity. The Smart Reset roll-up door offers self-repairing capabilities. Should the curtain be accidentally dislodged, it quickly recovers its alignment on its next opening or closing operation

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Businesses are driven to maintain a balance between safety and productivity. Access between areas within a facility and between the facility and its exterior plays a large part in achieving an optimum balance between these two factors.

“The well-being of personnel and suppliers is extremely important and plays a defining role in complementing the motivation of people in the workplace. The high-tech Smart Reset roll-up doors from Apex Strip Curtains & Doors provide safe and rapid access as well as effective insulation in production plants, retail facilities, warehouses and shipment areas,” Wim Dessing, sales executive at Apex Strip Curtains & Doors, says.

The engineering behind these heavy duty automatic doors is based on years of experience in the market. Manufactured with CE certification and compliance with the Machine Directive 2006/42/EMC as well as other relevant safety and quality standards, the motors and components are designed for easy operation, long life cycles and minimal maintenance.

“Apart from the Smart Reset roll-up door’s rugged construction, the feature which positions Apex Strip Curtains & Doors as a market innovator is the door’s self-repairing capabilities. Should the curtain be accidentally dislodged, it quickly recovers its alignment on its next opening or closing operation,” Dessing points out.

This is made possible by the incorporation of side hinges that slide along special guides, together with the flexible curtain ends that protect the door from damage. On impact with an obstruction, the hinges dislodge themselves to prevent tearing or harm to personnel and goods.

The action is further driven by a DSC electronic safety device that automatically reverses the motion of the door should it hit an obstacle when closing. This IEC-compliant device can be activated by any type of remote control equipment including photocells, pressure sensitive mats, movement detectors and induction loops.

“In addition, a manual release lever allows one to open the door from either side should a power failure or malfunction occur,” Dessing explains.

The Smart Reset roll-up door is supplied with a three phase 400 V externally mounted motor that includes a limit switch and electrically operated hand brake. Suitable for openings of up to 2 metres high and 4 metres wide, the doors are manufactured in Class 2 self-extinguishing polyester which has demonstrated its ability to withstand winds of up to 120 km/h.

Robustness and longevity were defined as important features, so the doors include a soft start and soft stop capability to reduce mechanical stress and wear. An optional inverter system is available when easy speed adjustments are a prerequisite. The precise and uniform rolling of the curtain is ensured by the combination of the two photocells that are mounted inside the casing of the door together with the DSC electronic system.

Aesthetically unobtrusive and compact, the Smart Reset roll-up doors are not only easy to install and operate but also provide companies with the assurance of unobstructed and safe access for vehicles and personnel. “These doors have provided a cost effective solution to the large roll-up door dilemma of ensuring speed of opening and closing, while at the same time ensuring that both people and goods are protected,” Dessing concludes.

Captions

SMART RESET DOOR PIC 01 : The high-tech Smart Reset roll-up doors from Apex Strip Curtains & Doors provide safe and rapid access and effective insulation in production plants, retail facilities, warehouses and shipment areas

SMART RESET DOOR PIC 02 : Apart from the Smart Reset roll-up door’s rugged construction, the feature which positions Apex Strip Curtains & Doors as a market innovator is the door’s self-repairing capabilities.

SMART RESET DOOR PIC 03 : The Smart Reset roll-up door quickly recovers its alignment on its next opening or closing operation should the curtain be accidentally dislodged.

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