Sensormatic Automatic Door Operator

AUTOMATIC DOOR OPERATION SPECIFICATION

FOR ELECTRIC LOCKING & SECURITY INTERFACE

Automatic door operator shall be Sensormatic, compliant with standards:
- NZS 4239 For the compliance of Automatic Door Assemblies in New Zealand
- AS 5007-2007 TF340 S – as tested by NATA accredited authority (certificate no 4209 – 1469-3)
- AS 5007-2007 TF340 H – As tested by accredited authority (certificate no 4209-1469-4)

1. MECHANICAL

The operator shall be driven via a toothed timing belt from a 24VDC permanent magnet, variable speed, continuously rated motor. The driven system shall be nylon wheels with encapsulated bearings on a hard-anodized Aluminium track ensuring a smooth, quiet operation. Adjustable anti – rise wheels shall prevent the doors from derailing.

2. ACTIVATION

1. 1 x Standard sensor. Sensors will activate at any movement within the detection zone.

2a. 1 x Combination sensor to act as an activation sensor and in lieu of a Safety Beam sensor. Door leaves will not close onto people standing in line of the door passage.

2b. For Main Entry only, shall include twin-eyed safety beam across the opening. Beam heights shall be 100mm and 700 mm above F.F.L.

3. LOCKING SECURITY

Security locking shall be by a Sensormatic electric motor lock factory fitted to the drive shaft of the motor.

The Security Locking with monitoring shall be controlled by Security Interface supplied & provided by the security contractor.

During day / normal hours the operator can be overridden /controlled by a digital mode pad switch which is provided and installed by Commercial Doors Services. Position as follows:

- Auto - For normal day use. Doors operate automatically for two-way traffic.
- Exit Only:
- Doors will lock. Doors will open for traffic exiting the chamber.
- External sensor will switch off not allowing entry.
- Lock – Doors will be locked. External and internal sensors will not operate door.
- Hold open – Doors will remain in fully open position.

4. ACTIVATION

Commercial Door Services supply and install an internal green press button mounted on a 45mm plate with the words ‘PRESS TO EXIT’ printed in green. This should be mounted 1200mm up from the F.F.L.

5. EMERGENCY EGRESS BREAK GLASS

Provide an emergency break glass switch to allow emergency egress.
Supplied & installed by the security contractor.

6. FIRST PERSON ENTRY

Security contractor to provide card swipe on the portal 1200mm above the pavement to admit first staff member. On activation, doors will cycle open, then close and relock. Sensormatic to provide a simple security board for the connection of Access Interface.

7. FAILSAFE EGRESS AND BATTERY

In the case of a power failure in auto mode the battery shall continue to provide full operation of the door for 60 at least complete open and close cycles. When the battery is too low to run the operator, the doors will fail safe open. In case of power failure in the lock mode the battery shall remain in lock until batteries are depleted. A battery failsafe will open the doors automatically in the event of a power failure while doors are in the “Auto” mode. The failsafe battery will drive open in the “Exit only and Lock “mode upon pressing the emergency push button.

8. FIRE ALARM CONTACTS AND SECURITY INTERFACE SPECIFICATION

The operator will be fitted with an interface panel, which will allow easy integration with any building management or the fire alarm systems. The interface shall have a clean contact relay output for the following functions. Running of the wiring from the panels to the operator is the responsibility of the alarm & fire system contractor.

9. POWER SUPPLY

A single phase, 240-volt, 10-amp power point on the right- or left-hand side of the operator (viewed from the inside looking out) is required, provided by others and terminated in a switch adjacent to the unit.

10. WARRANTY

5 YEARS – PROVIDED COMMISSIONING AND SERVICE WORK WITH AGREEMENT COMPLETED COMMERCIAL DOOR SERVICES LIMITED OR APPROVED TECHNICIANS.