

ONETOP

EM3500 SERIES

Light Panel
Electromagnetic
Lock



280Kg True Holding Force



Fail Safe Operation



Over 1 Million Cycles
Usage Lifespan



Up to 4 Hours
Fire Resistance Integrity
EN 1634-1:2014 / BS EN 1634-1:2014 /
BS 476-22:1987



Anti-Corrosion Plating
Passed 96 Hrs Salt Spray Test



Red/Green/Off
High Visibility Light Panel

FEATURE

EM3500 is an innovative series of Fail Safe locking devices designed for corridor and entrance doors where safety is of paramount importance. Its unique L-angle Light Panel makes easy status observation and a modern appearance suited for contemporary environments such as Singapore and Sydney international airports where EM3500 Series are proudly installed. Featuring holding force up to 280Kg, Door Status Sensor (DSS), Lock Status Sensor (LSS)

monitoring, and high corrosion resistance.

Fire Alarm Condition

When connected via a set of normal open contacts to the building complexes fire alarm system, the EM3500 Series will release immediately during "fire alarm condition" and automatically reset once the fire alarm has been cleared.

SPECS



EN 1634-1:2014
BS EN 1634-1:2014
BS 476-22:1987
4 Hrs Fire
Resistance Integrity



Fail Safe

Dimension

Weight

Operating Voltage

Operating Current

Holding Force

Operating Conditions

Output Signals

Surface Finishes

Residual Magnetism

Power to Lock

Lock Body L 238 x W 48 x H 25mm (Single)
L 476 x W 48 x H 25mm (Double)

Armature Plate L 185 x W 38 x H 12mm

2.0Kg (EM3500)

12/24VDC $\pm 10\%$

12VDC – 510mA 24VDC – 270mA *Double Door x 2

280Kg (EM3500)

Temperature $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Humidity $0 \sim 80\%$ (non-condensing)

Lock Status Output (LSS) Option	Door Status Output (DSS) Option	Light Panel Option
COM/NO/NC: Max 24VDC; Max 1A	COM/NO/NC: Max 30VDC; Max 0.2A	Red/Green/Off

Anodized Aluminum Housing

High Quality Plating for Anti-corrosion
(96 Hrs Salt Spray Tested)

Less than 2Kg

*No spring rebound mechanism on armature plate is required to overcome residual magnetism

MODELS

	Built-in Light Panel	LSS Monitoring	DSS Monitoring	Early Warning	Double Door
EM3500	•	•			
EM3500 DSS	•	•	•		
EM3500D	•	•			•
EM3500D DSS	•	•	•		•

ACCESSORIES

L&Z EM3500

L&Z EM3500D

UBG12M

CHB

ATB 3500

In-swing door L & Z bracket

Double in-swing door L & Z bracket

Glass door bracket

Armature plate holder

Adjustable L bracket - narrow door frame