



Electronic locks and latches  
 990MFE Series Electric Mortice Lock



The Legge 990MFE Series Electric Mortice Lock is a true **multi-functional locking device**.

It has been developed for simplicity - simplicity for the stocklist, the installer and the end-user.

Available in both monitored and nonmonitored versions.



Fire rated for 4 hours



C-tick, S3 and D3

## Features

- The 990MFE Series locks can be easily site configured:
  - single-sided locking (vestibule)/double-sided locking (combination)
  - power to lock (fail safe)/power to open (fail secure)
  - left hand/right hand operation
- 990MFEi also includes comprehensive monitoring
  - Door position monitoring by seed switch
  - Lock status monitoring by a combination of 3 locking parameters
    - locking bar (Hub/Handle/s locked)
    - deadlatching bolt (depressed)
    - latchbolt (out)
  - Dual key override monitoring (KOM)
  - Request to exit (REX) via hub/handle (s)
  - LED indication
- 10 year mechanical and 1 year electrical warranty

## Selection Guide

### 1. Function

Select the desired function e.g. Vestibule lock ..... L9V

### 2. Sub-function

Select the required sub-function e.g. V31 Office/classroom locking latch ..... L9V31

### 3. Finish

Select the desired finish e.g. Satin chrome plate .....L9V31SCP

### 4. Backset

Nominate non-standard backset if required e.g. 70mm .....L9V31SCP70

## Specifications Guide

### Function

Fail secure ..... L9VEG

### Sub-function

refer to following pages

### Finish

Satin stainless steel ..... SSS

### Backset

60mm ..... standard

70mm ..... 70

89mm ..... 89

127mm ..... 127

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## Specifications

<b>Part No.</b>	990MFEi (monitored)      990MFE (non-monitored)
<b>Function</b>	Vestibule and combination lock (field selectable of either/both sides locked) Lock handed (left hand/right hand field selectable)
<b>Lock operation</b>	Fail safe/fail secure adjustable on site - one product for both applications
<b>Voltage/Current</b>	Multi-voltage - 12-24VDC/350mA momentary, 100mA operating including LED furniture if applicable Reverse polarity protected Lock secure status and key override microswitch max. rating 500mA@30VDC Door status reed switch max. rating 100mA operating
<b>Monitoring</b>	<ol style="list-style-type: none"> <li>1. Door position monitoring by reed switch</li> <li>2. Lock status monitoring by a combination of locking parameters: <ul style="list-style-type: none"> <li>• Locking bar (hub/handle/s locked)</li> <li>• Deadlatching bolt (suppressed)</li> <li>• Latchbolt (out)</li> </ul> </li> <li>3. Dual key override monitoring (KOM)</li> <li>4. Request to exit (REX) via hub/handle (s)</li> <li>5. LED indication</li> </ol>
<b>Environmental</b>	-20 to +60 degrees C
<b>Door thickness</b>	32-50mm
<b>Backset</b>	60mm Optional: 70mm, 89mm and 127mm
<b>Cabling</b>	3m cable with 12 pin plug supplied
<b>Standard finish</b>	Satin stainless steel (other finishes available on request)
<b>Factory configuration</b>	Vestibule, 60mm backset, Fail safe, Left handed, Satin stainless steel finish
<b>Warranty</b>	10 year mechanical and 1 year electronic
<b>Accreditations</b>	<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;">     </div> <div> <p>Fire Rated: Legge 990MFE is fire rated for 4 hours in accordance with Australian Standards AS/NZS 1905.1-1997, for use on fire resistant doorsets, refer to fire door manufacturers for specific approval details</p> <p>C-tick, S3 and D3</p> </div> </div>

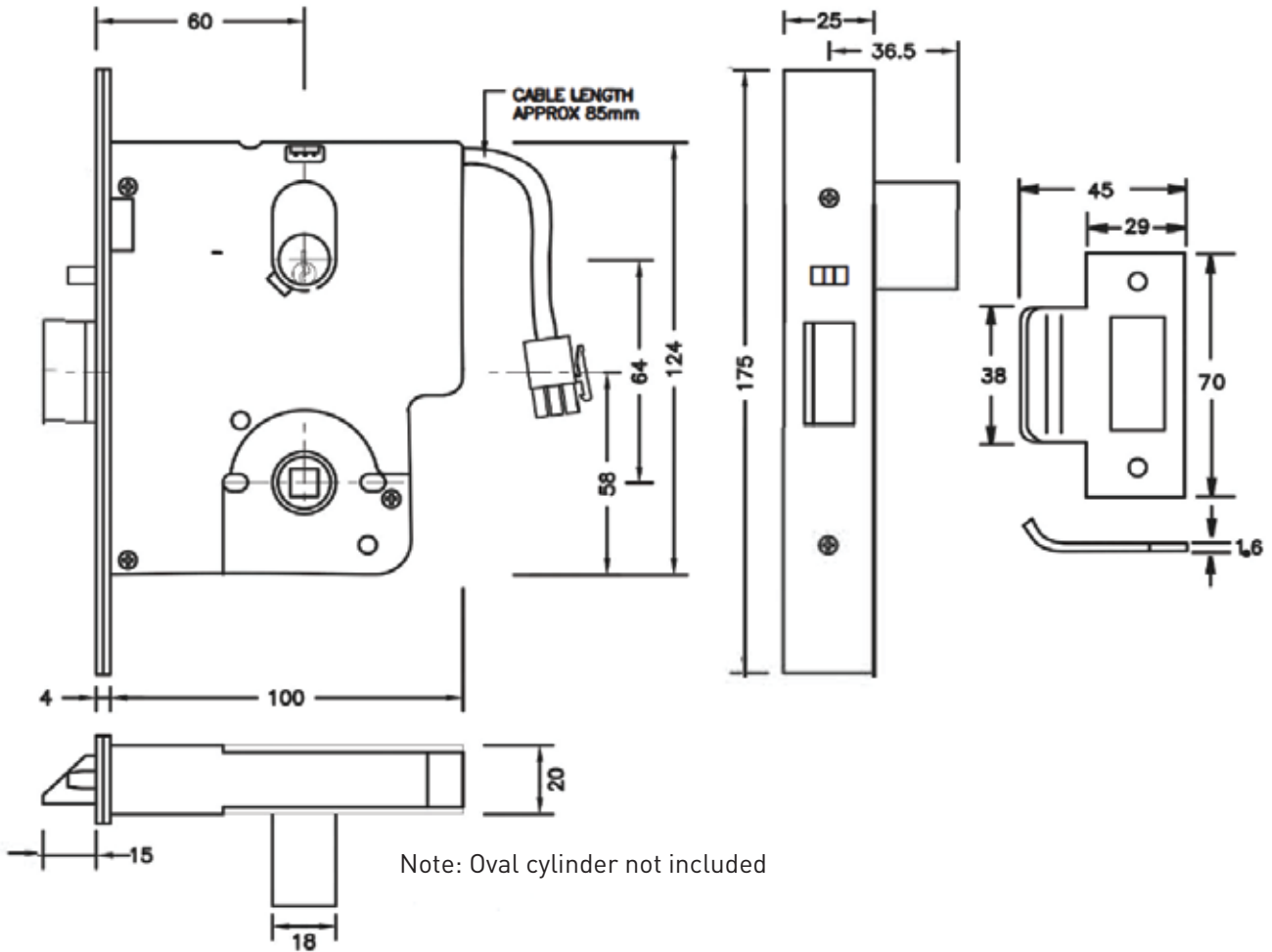
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## Dimensions



## Specification Statement

The lock should be capable of operation on voltages between 12-24VDC and have a current consumption not more than 100mA (holding).

Monitored locks must be capable of monitoring the following functions:

- Key override
- Door position reed switch
- Latch bolt, dead latching bolt and locking bar microswitches must be wired in series

All settings, including fail safe / fail secure, handing and hub REX selection, must be field configurable

## Electrical Specifications

**Solenoid Activation**  
 12-24VDC 350mA momentary,  
 100mA max operating,  
 Including LED (if applicable)

**Lock Secure Status/Key Override Monitor**  
 Microswitch max. rating  
 500mA@30VDC

**Door Status Monitor**  
 Magnetic Reed Switch  
 100mA operating

**Plug arrangement**  
 12 pin plug with 3m cable

**Request to Exit (REX) Switches**  
 Microswitches max. rating  
 1A@125VAC

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