

## Our Brand Promise

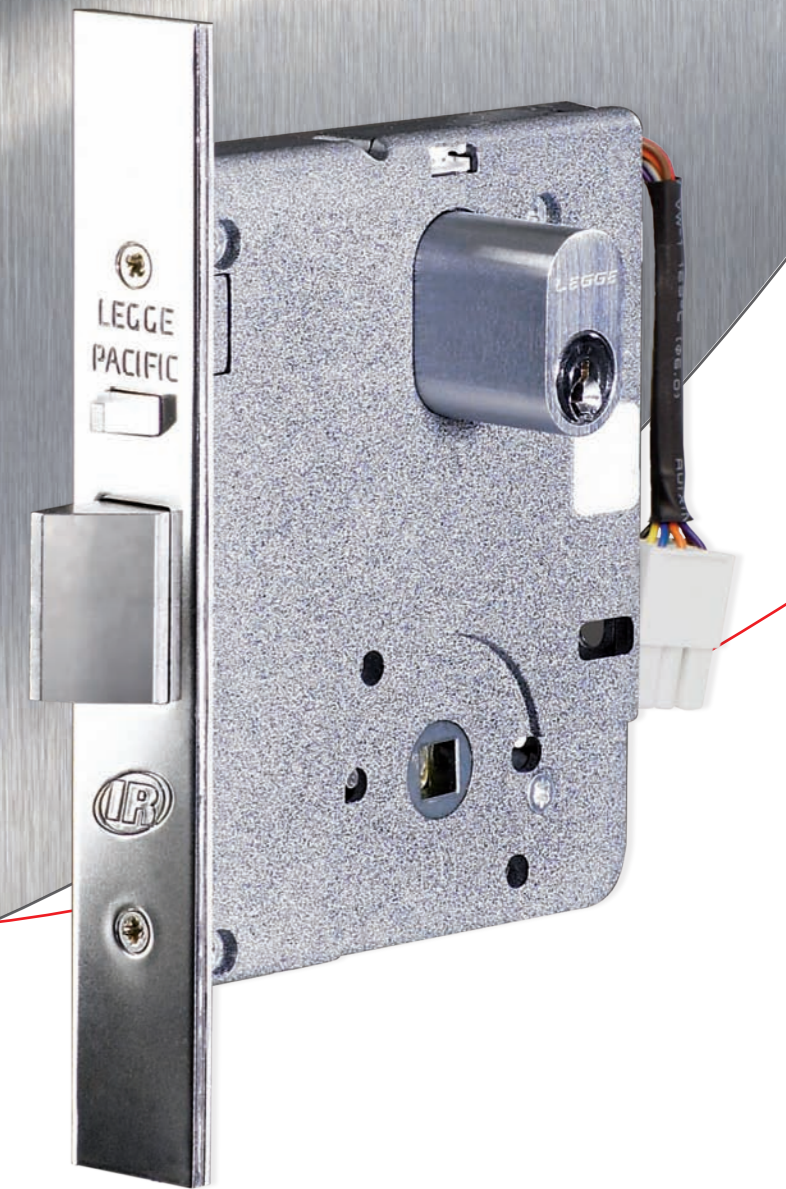
Ingersoll Rand will enable all customers to have "Peace of Mind" by providing innovative security solutions to protect themselves, their homes and commercial properties.

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## A new generation of design integrity

Enhancements to mechanical and electrical components make this new improved generation of Legge 990 Multi-Function Electric Mortice Locks even more reliable and durable. Designed with integrity at heart to meet the most stringent quality standards, this product is backed by warranty and rigorously tested. Innovative design and manufacture combines multiple functions and a full range of monitoring solutions in one single lock. The result is a trusted product that secures simplicity and peace of mind at any commercial site.



## Half a century of innovative functionality

For more than fifty years Legge has been designing and manufacturing products as innovative as they are functional. The Legge heritage of quality makes for products that meet contemporary living and commercial needs with design integrity and simplicity. The enhanced functionality of the Legge 990 MFE Locks has real benefits for all customers.



Customer	Features	Benefits
<b>For the stockist:</b>	Only one lock is required because it is multi-functional, fail-safe, fail-secure and 12-24Vdc	Reduce inventory and shelf space while passing on savings to your customers
<b>For the installer:</b>	All functions, handing, fail-safe and fail-secure can be easily selected on site	Save time and enjoy new levels of convenience
<b>For the end user:</b>	Product features and benefits add up to one quality product offering a full range of monitoring functions	Enjoy the peace of mind of a simple, reliable solution with an extensive warranty

Plus, it is great to know you are buying New Zealand made quality.

### Product Features

- **Finishes:** Polished Stainless Steel, Satin Stainless Steel
- **Lock Functions:** Vestibule and Combination
- **Warranty:** 10 years on mechanical components and 12 months on electrical and electronic components
- **Fire Rating:** Tested to 4 hour period on fire door assemblies as specified in the Australian/New Zealand Standard AS/NS 1905.1 - 1997 Part 1 Fire Resistant door sets
- **Certified Approvals:** Electromagnetic compatibility (EMC) certified to EN 6100-6-1:2004. C Tick compliance to AS/SPR 22, 2004
- **Door Clearance:** Deadlatching and monitoring functions between 1mm to 5mm
- **Backset:** 60mm standard, 89mm & 127mm available on request
- **Door Thickness:** 32mm to 50mm standard

### Security and Durability

The 990MFE Series locks allow doors to lock and unlock operated by devices such as push buttons, key switches, intercom systems or higher security devices such as keypads and card readers.

All 990MFE Series locks conform to both level \*S3 (physical security) and level D3 (durability) Australian Lock Standard (AS4145.2: 1993)

\* When used with a high security keying system such as Ingersoll Rand Schlage Everest rated K5/K6. Level S2 applies with a lower security keying system

### Performance Features & Functions

- Rigorously tested in accelerated wear tests
- Protective cap developed to cover cylinder hole until cylinder ready for installation
- Modified locking bar to withstand extra pressure
- New heavy duty request to exit (REX) switches that have been tested to reliably provide well over 1 million actuations
- Lever rotation monitoring
- Door closed monitoring
- Lever is locked and unlocked electronically
- Field changeable:
  - Handing to suit left and right hand doors, selection of free lever or locked lever on both sides of the door
  - Contacts, normally closed, normally open
  - Fail safe and fail secure functions
  - Key override with monitoring of key operation for both left hand and right hand
- Visual indicator of true lock status, using Smart LED status – green for insecure and red for secure

### General Information

#### Locking/Unlocking

- Locking and unlocking of lever furniture is achieved through an 8v solenoid and supporting 8v circuit which has been designed to suit an input range of 12Vdc to 24Vdc. This eliminates the need to carry stock of separate 12Vdc to 24Vdc lock units (48Vdc available on request)
- Lock handing is selectable on site for either inside or outside or both inside and outside lever furniture being locked without dismantling the lock
- Fail safe and fail secure functions are field changeable

#### Power Saving

- Depending on the type of installation, generous power saving can be achieved through the 990MFE's advanced locking and unlocking related circuitry design

#### Electrical Specifications

- Hub Snib Activation (Solenoid Activation)
  - 12Vdc to 24Vdc 350mA momentary, 100mA max operating
- Key-override Monitor
  - Miniature lever microswitch max rating 500mA @ 30Vdc
- Door Status Monitor
  - Miniature magnetic reed switch 100mA operating
- LED Current
  - LED current included as above
- Plug Arrangements
  - 990MFE, 9 PIN plug supplied with 1.6m cable
- REX Switches
  - Sub-miniature D2 microswitch max ratings 1A@125Vac

### Materials

#### Cap & case assembly:

Pressure die cast zinc

#### Latchbolt/Sub-bolt:

Sintered stainless steel

#### Inner forend:

Stainless steel

#### Outer forend:

Stainless steel

#### Striker:

Stainless steel

#### Followers (Hubs):

Sintered steel, will accept 7.6-8mm furniture spindles with no adjustment necessary

### Accessories

- 9 PIN extended cable 7.5m (supplied separately)
- Rebate kit
- LED standard
- LED extended lead

