



MICO Flood Lock Range

*High Security Surface Mount 3 Point Locking system
with Manual Bolting Operation.*





Climate change and the increased likelihood of heavy precipitation means the potential for devastating flooding has become a major concern in the UK, threatening our Critical National Infrastructure including electrical substations, water treatment works, gas installations, telecommunications and many other locations.

Water ingress can pose a significant risk to electrical systems with damage resulting in localised power loss, equipment failure and operational down time. Contamination of clean water is another major threat resulting in the disruption of supply and the potential spread of disease.

Commercial threats in the form of financial penalties put further pressure on to energy and water suppliers who fall to maintain their contractual obligation with their customers.

Tindall Engineering recognise that safety and security is paramount in this sector especially on doorsets located on remote sites that require an effective means of flood defence in place as there may be insufficient time to respond once flooding occurs.

Certifications

Security: The Loss Prevention Certification Board LPS1175 SR1, SR2, SR3, SR4, SR5 and SR6



Escape: BS EN 1125:2008 & BS EN 179:2008



Quality:





MICO Flood Lock Range

TECHNICAL OVERVIEW

Stainless steel mechanism housed in a aluminum box section

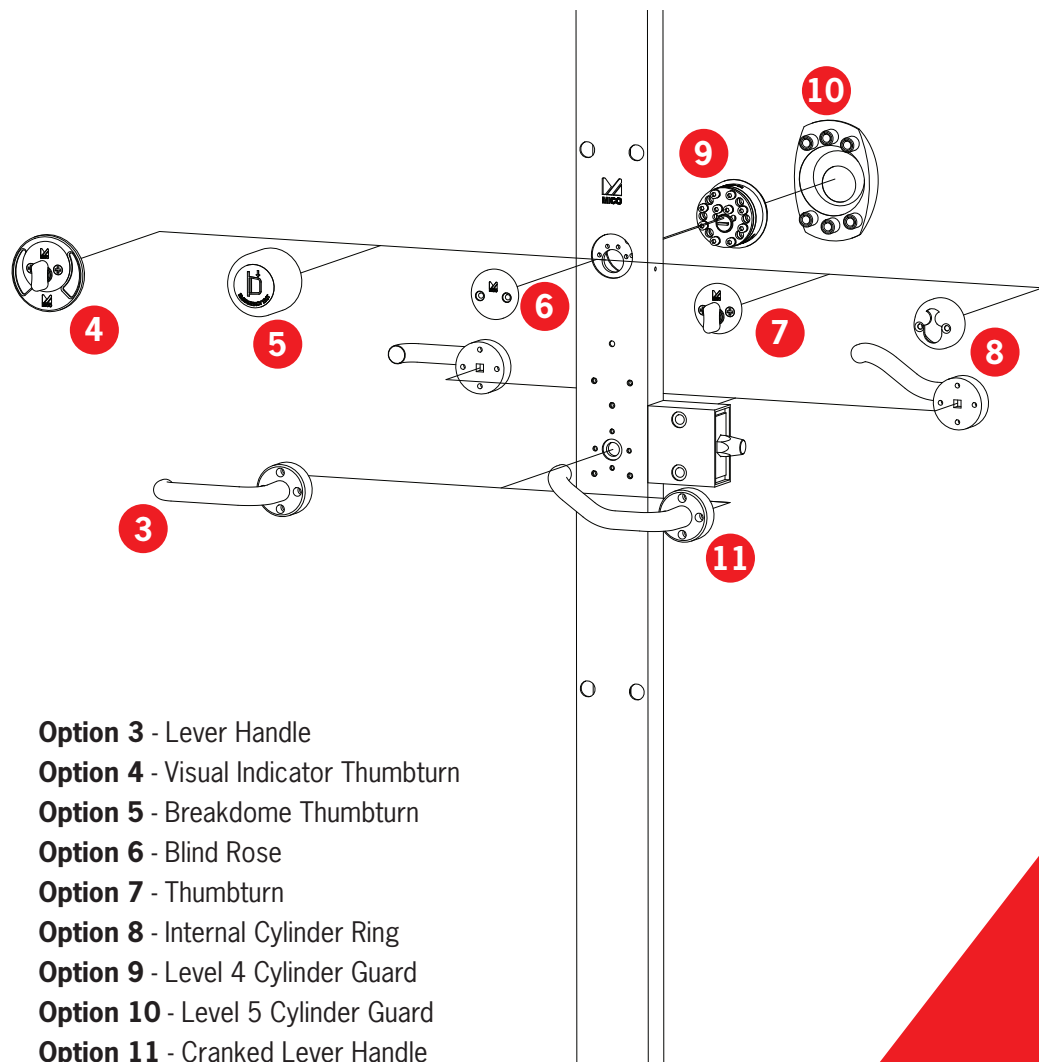
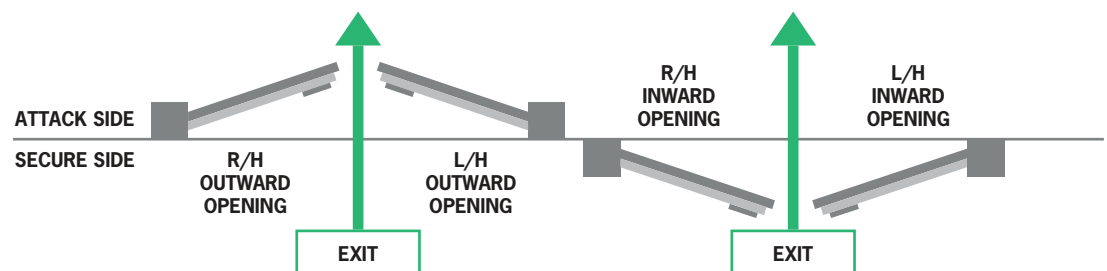
Manual bolt throw complete with 3 point bolting system to ensure optimum door/frame seal pressure and resist debris impact during a flood event.

Dimensions (H) 2150mm (W) 80mm

25mm bolt throw

Handing - This unit is handed as per diagram, add code when ordering

Handing



- Option 3** - Lever Handle
- Option 4** - Visual Indicator Thumbturn
- Option 5** - Breakdome Thumbturn
- Option 6** - Blind Rose
- Option 7** - Thumbturn
- Option 8** - Internal Cylinder Ring
- Option 9** - Level 4 Cylinder Guard
- Option 10** - Level 5 Cylinder Guard
- Option 11** - Cranked Lever Handle



FL INT-3 AD3

The MICO FL INT-3 AD3 is a high security flood lock with a surface mounted three-point bolt system and integrated automatic deadlocking as standard using manual bolting.

Whilst also providing MICO's high-security multipoint protection, the Flood Lock is designed specifically to provide a watertight seal whenever the door is closed, providing a high level of protection for buildings with an increased risk of flooding.

OPERATION

Surface mounted high security multipoint locking system with integrated mechanical automatic deadlocking. Automatic bolting is fitted as standard which automatically deadlocks the bolt in the locked position when the door is closed.

Entry Method: Key Cylinder and Lever Handle (Designed to suite Scandinavian Oval Rim Cylinder as standard, although other profiles are available on request).

Exit Method: Rotate Thumbturn and depress Lever Handle to open as standard.

FEATURES

- Automatic deadlocking via manual bolting on door closure.
- Surface fitted.
- Modular design.
- Stainless steel construction.
- Optional bolt & deadlock monitoring

BENEFITS

- Secure design ideal for use with high security applications where instant security and a watertight seal is essential.
- Specially designed for flood doors.
- Cut-to-height service available to match exact size of door.
- BSEN 1670 Grade 5 corrosion resistance.

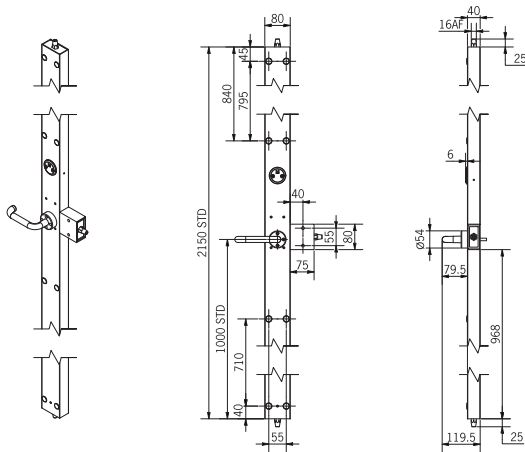


FL INT-3 AD3

Product Performance Chart - Indicates product has been certificated or tested & approved as part of a complete doorset assembly

TIME	LPCB LPS 1175								ISSUE 7 SR 1-6	FEBR	EN 1627	ST202	SBD	PAS 24	LPS 2081	FIRE	BLAST	BALLISTIC	SAFETY	CORROSION	CYCLES		
	ISSUE 8 TOOLS																						
	A	B	C	D	E	F	G	H															
20 Min									UPTO SR6		RC6	BR3	SBD	PAS 24	SRB	UL10C	100kg TNT @15m	EN 1125	EN1670:GR5	1 million			
15 Min										60 min	RC5												
10 Min										45 Min	RC4	BR2				CERTIFIRE		FB6			EN 179	EN1670:GR4	500k
5 Min										30 Min	RC3												
3 Min										15 Min	RC2	BR1				EN 1634-1		FB4				UL 304	EN1670:GR2
1 Min										5 Min	RC1										BR1		

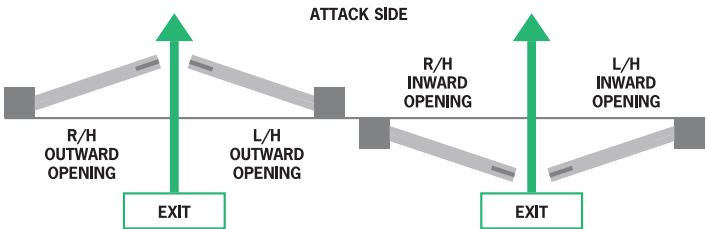
TECHNICAL DRAWINGS



CODING SYSTEM

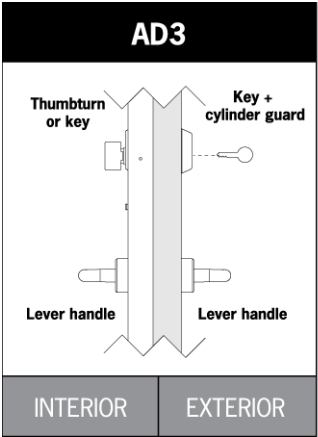
The MICO Flood lock range has a simple code that covers the chosen methods of entry and exit, followed by additional options.

Example Order Code – MICO FL INT-3 AD3 / USCH2



Range	Bolts	Exit	Entry	Additional Options
MICO Flood Lock FL INT-3 AD3	3	AD3 Thumbturn and Lever	Key & lever	USCH2
				USCH3
				USCH4
				USCH5
				USCH6

EXAMPLE ENTRY/EXIT DIRECTIONS





FL INT-3 MD3

The MICO FL INT-3 MD3 is a high security flood lock with a surface-mounted three-point bolt system that can be unlocked externally via a key cylinder allowing the user to depress the Lever Handle and retract the shoot bolt.

Whilst also providing MICO's high-security multipoint protection, the Flood Lock is designed specifically to provide a watertight seal whenever the door is closed, providing a high level of protection for buildings with an increased risk of flooding.



FL INT-3 MD3

OPERATION

Surface mounted high-security multipoint locking system with an integrated mechanical manual deadlocking system, allowing for uninterrupted passage when unlocked that can be deadlocked by key at night.

Entry Method: Mechanical key entry via Key Cylinder and Lever Handle (Designed with Scandinavian Oval Rim Cylinder as standard, although other profiles are available on request).

Exit Method: Rotate Thumbturn or key cylinder and depress Lever Handle to open as standard.

FEATURES

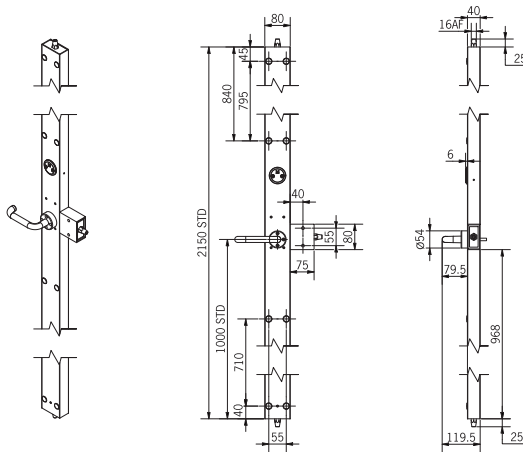
- Manual deadlocking via key or thumbturn via manual bolting.
- Surface fitted.
- Modular design.
- Stainless steel construction.

BENEFITS

- Secure design ideal for use with high security applications where flexibility is essential.
- More control over security, allowing passage during working hours but a high level of security on request.
- Rated up to LPS 1175 SR6 on compatible doorsets.
- BSEN 1670 Grade 5 corrosion resistance.

Product Performance Chart - Indicates product has been certificated or tested & approved as part of a complete doorset assembly																						
TIME	LPCB LPS 1175								ISSUE 7 SR 1-6	FEBR	EN 1627	ST202	SBD	PAS 24	LPS 2081	FIRE	BLAST	BALLISTIC	SAFETY	CORROSION	CYCLES	
	ISSUE 8 TOOLS																					
	A	B	C	D	E	F	G	H														
20 Min								UPTO SR6		RC6	BR3				UL10C				EN 1125	EN1670:GR5	1 million	
15 Min									60 min	RC5								FB7			EN1670:GR4	
10 Min									45 Min	RC4	BR2		SBD	PAS 24	SRB		CERTIFIRE		FB6	EN 179	EN1670:GR3	500k
5 Min									30 Min	RC3								FB5			EN1670:GR2	
3 Min									15 Min	RC2	BR1						EN 1634-1		FB4	UL 304	EN1670:GR1	200k
1 Min									5 Min	RC1								FB3				

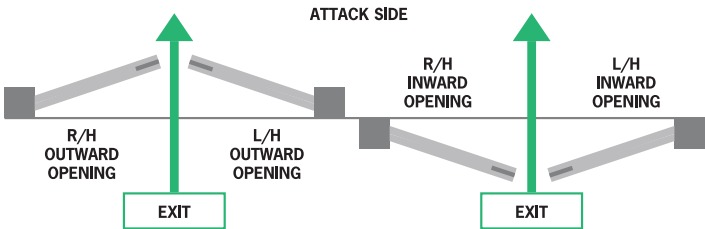
TECHNICAL DRAWINGS



CODING SYSTEM

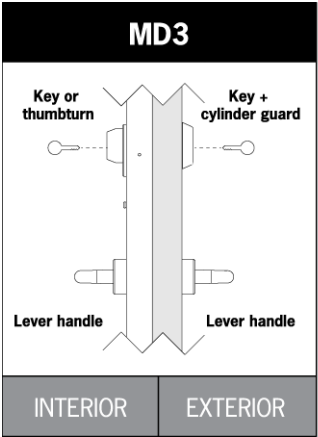
The MICO Flood lock range has a simple code that covers the chosen methods of entry and exit, followed by additional options.

Example Order Code – MICO FL INT-3 MD3 / USCH2



Range	Product	Bolts	Exit	Type	Entry	Additional Options
MICO Flood Lock FL INT-3 MD3	EIA-UTE AD 592	3		Auto deadlocking		USCH2
	EIA-UTE AD 593		MD3 – Key Cylinder / Thumbturn and Lever	Auto deadlocking	Key & lever	USCH3
	EIA-UTE MD 592			Manual deadlocking		USCH4
	EIA-UTE MD 592			Manual deadlocking		USCH5
	EIA-UTE MD 593			Manual deadlocking		USCH6

EXAMPLE ENTRY/EXIT DIRECTIONS





FL INT-3 INT EM3

The MICO FL INT-3 INT EM3 can be used with any 12V Access Control System, and is ideal for systems that require monitoring of individuals who enter and exit secure environments.

The electro-mechanical lock can be set up to require credentialed access for both entry and exit, and can be fitted with a manual key cylinder override or internal break-dome to allow an override of the system in case the access control system fails.

Whilst also providing MICO's high-security multipoint protection, the Flood Lock is designed specifically to provide a watertight seal whenever the door is closed, providing a high level of protection for buildings with an increased risk of flooding.



FL INT-3 INT EM3

OPERATION

Surface mounted high-security multipoint locking system with compatibility with 12V proprietary access control systems, suitable for businesses for which high security is of an upmost concern.

Entry Method: Swipe in access control with a heavy duty lever handle, mechanical key override fitted as standard.

Exit Method: Swipe out access control system and heavy duty lever handle. Mechanical override via breakdome-shielded thumbturn. Automatic deadlocking via manual bolting on door closure.

FEATURES

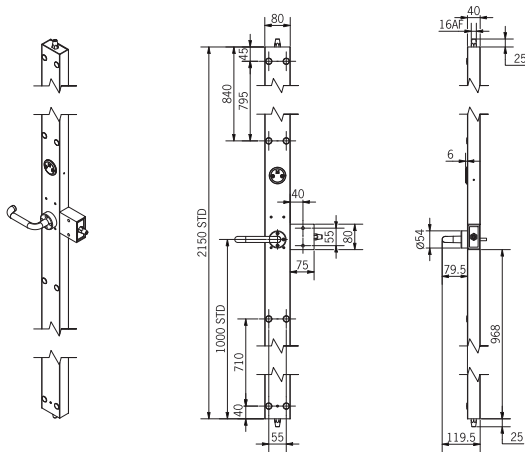
- Electro-mechanical lock system compatible with 12V access control
- Surface fitted.
- Modular design.
- Stainless steel construction.

BENEFITS

- Secure design ideal for use with high-security applications and access control systems.
- Rated up to LPS 1175 SR6 on compatible doorsets.
- BSEN 1670 Grade 5 corrosion resistance.

Product Performance Chart - Indicates product has been certificated or tested & approved as part of a complete doorset assembly																					
TIME	LPCB LPS 1175								ISSUE 7 SR 1-6	FEBR	EN 1627	ST202	SBD	PAS 24	LPS 2081	FIRE	BLAST	BALLISTIC	SAFETY	CORROSION	CYCLE
	ISSUE 8 TOOLS																				
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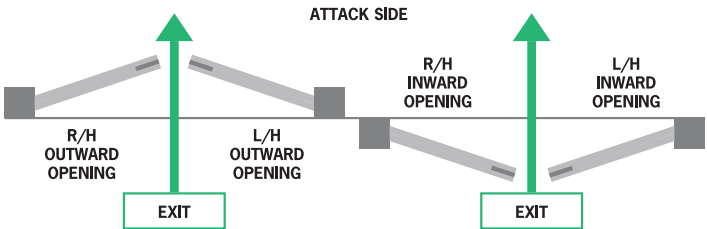
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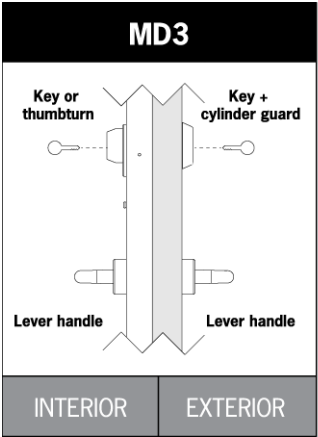
The MICO Flood lock range has a simple code that covers the chosen methods of entry and exit, followed by additional options.

Example Order Code – MICO FL INT-3 EM3 / USCH2



Range	Bolts	Exit	Entry	Additional Options
MICO Flood Lock FL INT-3 EM3	3	EM3 – Access Control and Lever	Swipe in & depress lever handle	USCH2
				USCH3
				USCH4
				USCH5
				USCH6

EXAMPLE ENTRY/EXIT DIRECTIONS





Assessed to ISO 9001
LPCB Cert. No. 608

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