

# WIRELESS LOCKING SOLUTIONS



MAST Technology specialises in assisting yacht owners, captains and operators create highly innovative, cohesive security solutions that are all-embracing, easy to use and fully integrated.

MAST Technology design, install and maintain bespoke solutions that offer robust security while acknowledging the importance of yacht aesthetics. Our security solutions will ensure your peace of mind, both on and off vessel.

## DIGITAL LOCKING AND ACCESS CONTROL SYSTEM

MAST's unique Digital Locking and Access Control System offer a stylish, secure and efficient alternative to traditional keys, while overcoming the unique challenges of a marine environment. Wireless, IP 65 rated with non-intrusive installation, this system runs on built in batteries and doesn't require any door or door frame wiring. The locks also feature built-in independent audit trail system keeping up to 30,000 access events stamped with date and time. MAST Tech locks comply with safety regulations to provide safe passage incase of emergency.

## PRODUCT CARE

Avoid the damage caused by exposure to water and aggressive corrosion agents that impact on the look and life span of traditional electronic locks. MAST's electronic locks are manufactured using maritime specific technology. The built in battery will last for up to ten years, with the convenient feature of an automated alert when the time comes to replace it. The battery can easily be replaced by crew during routine maintenance.

## SECURE CONVENIENCE

One key fob can replace multiple keys with the added comfort of knowing the selective access controls will limit access depending on an individual security profile, be they owner, guest or employee. You also avoid the cost and security implications from lost, copied or misplaced keys, as their individual serial numbers can be deactivated remotely.



## AESTHETICALLY PLEASING

MAST understands the importance of aesthetics for new builds and refits. MAST Technology have years of experiencing blending cohesive security solutions with the luxurious look and feel required by Superyacht owners.

## TECHNOLOGICAL REQUIREMENTS

MAST electronic marine locks are manufactured in Germany using marine grade V4A/316 stainless steel. The lock body is also protected by a unique anti-corrosion coating ensuring it stays in pristine condition both visually and operationally.

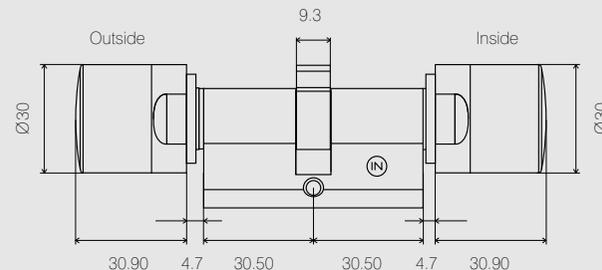
MAST locks use wireless, contactless, key fobs to operate the lock. This allows a totally sealed design which meets the requirements for IP67 rating, with the added benefit that they float.

No other electronic lock manufacturer can offer IP65 rating and corrosion resistance against sea water in their product range.

## CONVENIENT INSTALLATION

As the locking system is wireless it affords a very simple installation as it avoids significant disturbance to the existing yacht infrastructure, which is advantageous for refits and on board installations while removing the need for additional wiring in new builds. In fact MAST electronic locking system can be installed to replace existing mechanical locks even outside refit times since no yard assistance is required.

## WIRELESS LOCKING SOLUTIONS



Dimensions in mm

## TECHNICAL SPECIFICATIONS.

- :: MAST tech also supply Scandinavian Oval type locks.
  - :: Standard Euro Profile cylinder in accordance with DIN 18252/EN1303
  - :: Different knob designs available
  - :: Basic design length: 30 – 30 mm (external/internal dimensions)
  - :: Overall length: up to a maximum of 140 mm (a maximum of 90 mm on one side), special lengths on request
  - :: Protection category: IP 65
  - :: Battery type: 2 x lithium CR2450 3 V
  - :: Battery life: up to 130,000 actuations\* or up to ten years on stand-by
  - :: Temperature range: operation -20 °C to +50 °C
  - :: Acoustic feedback from buzzer
  - :: Visual feedback from blue/red LED (only when operated with a SmartCard)
  - :: Buzzer and blue/red LED indicate battery warning levels 1 and 2, locks are only activated with delays of varying length
  - :: 30,000 access instances can be stored
  - :: 100 time zone groups
  - :: Up to 64,000 transponders can be managed per lock
  - :: Up to 64,000 SmartCards can be managed per lock (depending on the configuration of the locking system)
  - :: Up to 304,000 locks can be managed per transponder
  - :: Up to 32,000 locks can be managed per SmartCard (depending on available memory on the SmartCard and the configuration of the locking system)
  - :: Can be directly networked with optional integrated LockNode
  - :: Can be used as a gateway, can be freely configured
- \*Up to 60,000 actuations with access logging on the SmartCard

## LOCK CONTROL

Simple hardware and software can be provided to be installed onto a PC or a laptop allowing programming of individual locks. System also allows in-place programming of the locks without removing them from the door. A belt-clipped device allows programming of the locks using hand-held PDA or iPhone.



## STAND-ALONE MODE:

Each lock is individually programmed to recognise individual key fobs. One key fob can operate many locks. If the key fob is compromised, it can be made inoperable and new key fob can be issued for access in minutes.

## NETWORKED MODE:

All locks are connected via radio links to the central access management station, in order that they may be programmed or audit checked remotely.

## FOB ALTERNATIVE

MAST Tech can also supply IP65 attractive wireless keypad capable of operating electronic door locks, allowing up to 500 different pin codes. The Pin Code Keypad is operated using built-in battery and doesn't require any wiring or external power.