

MOTORIZED HANDLE LOCK FOR PROFESSIONAL OVENS



APPLICATION

Many professional ovens feature precise cooking programs that must not be affected by temperature variations due to unplanned door openings. **METEOR** strategic solution is a system that mechanically prevents the rotation of the oven door's closing/locking handle, especially in book-opening oven doors.

The **HANDLE LOCK SYSTEM** is modular and customizable to meet these specific needs, depending on the door geometry and oven configuration.

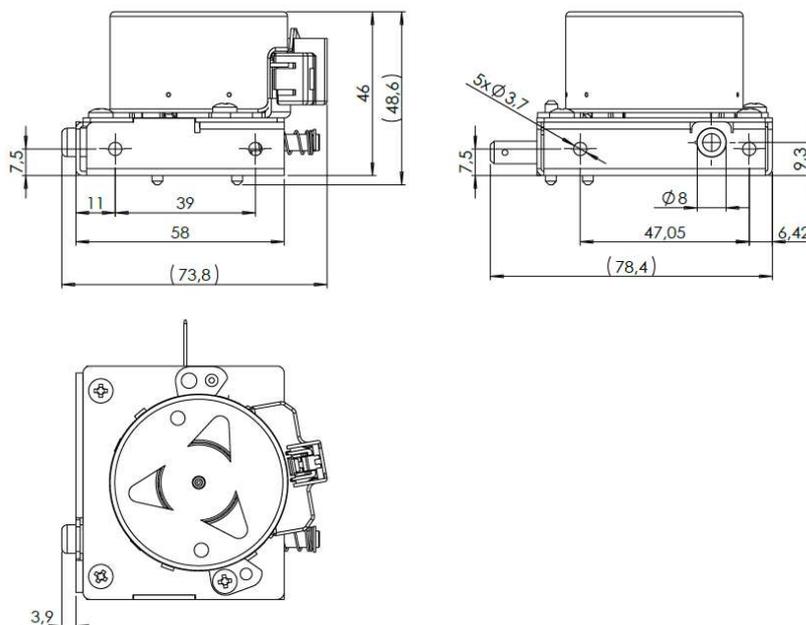
DESCRIPTION

The **MOTORIZED HANDLE LOCK** is an electromechanical device designed to prevent the rotation of the oven door handle in professional ovens by acting directly on the internal mounting hub. Its compact structure is made almost entirely of galvanized steel and includes 1 or 2 micro-switches and an AC gear motor.

The evolution of existing **METEOR** solutions, such as motorized locks for pyrolytic oven, this device can be housed on the left or right side of an oven according to the position of oven door handle.

The **MOTORIZED HANDLE LOCK** works by pushing a dedicated locking element into the handle shaft, blocking rotation. The locking stroke and the shape of the blocking element can be customized to meet specific customer requirements.

In the event of a system malfunction or power failure, the handle can be unlocked by manual removing of the blocking element.



TECHNICAL SPECIFICATIONS AC STD MOTOR

WORKING TEMPERATURE	125°C max
POWER SUPPLY	220-240 V 50/60 Hz
MAX CURRENT UNDER LOAD	22mA
SPEED	2,4/2,9 Rpm
TORQUE MAX	150Ncm
GEARS	Plastic
SHAFT	Steel

SWITCHES

SWITCHES TYPE MINIATURE	SPDT
WORKING TEMPERATURE	-40°C +125°C
POWER SUPPLY	250V - 120V
RATED CURRENT	0,1 A

MECHANICAL DATA

TOTAL STROKE	10 - 15 mm
CYCLE TIME 50Hz / 60Hz (stroke 10mm)	1,8sec / 1,45sec
LOCKING / UNLOCKING FORCE	62N

ADVANTAGES

- COMPACT SYSTEM
- SILENT MOTORIZATION
- PRECISE CONTROL
- INTEGRABLE WITH INTELLIGENT SYSTEM

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