

Z50S.111.A.26.T Cylindrical Leverset, Storeroom

System-level description

The patented, award winning iLOQ S50 locking system offers advanced security and convenient access sharing capabilities for master-key locking environments.

The iLOQ X50S mortise cylinders harvest electricity wirelessly from NFC field, which enables using phone not only as a key but also as a power source thus the lock is completely battery free. As no batteries are required, the locks are maintenance free and environmentally friendly green solution that eliminates work, costs, waste and harm associated with battery powered solutions.

The lock doesn't have a keyway due to the contactless NFC operation. It is designed to be used in harsh environments where the locks are exposed to dust, moisture and varying temperature conditions ranging from extremely cold to hot weather.

The phone as a key enables flexible access sharing with time restrictions and audit trail reporting over the air. The security level is kept high and security gaps caused by lost key can be eliminated completely without costly change of locks and keys.

Feature summary

- Battery-free programmable electromechanical lock cylinder for iLOQ S50 locking system
- NFC-powered: no batteries required for the lock
- Opening with NFC enabled iPhone, Android phone and K55S Key Fob
- Secured using powerful AES256 encryption and mutual authentication
- Initial programming with PC and iLOQ P55S.1 Programming Token in connection to server
- Access right list for access groups
- Blocklist for individual lost keys
- Internal audit trail record with time stamp (can be configured on/off)
- Supports time restrictions
- Can be configured to require online opening authentication
- Re-programming with keys (iPhone, Android phone)
- Firmware updateable
- NFC 13,56 MHz Load modulation (ASK) ISO/IEC 14443A, no transmitter.

Dimensional drawing

Memory capacity

Number of access rights.....	210
Number of blocklisted keys.....	500
Number of time slots.....	10
Size of event log.....	500

Technical data

Backset.....	2 3/4"
Door thickness.....	Standard (1 5/8" to 1 7/8")
Function.....	Storeroom
Ingress protection rating.....	IP56
Reader type.....	TorQ Knob
Surface treatment.....	Satin chrome
Maximum temperature.....	80°C
Minimum temperature.....	-40°C

Certificates

Certificates.....	ANSI BHMA A156.2
Certification in progress.....	UL10C
Certification in progress.....	BHMA_A156_30
Certification in progress.....	BHMA A156.5
Certification in progress.....	ISED
Certification in progress.....	FCC
Other certificates.....	ANSI BHMA A156.18, ANSI BHMA A156.25 Florida Building Code (ASTM E330, E1886, E1996) Miami Date (TAS 201, 202, 203) requirements for hurri- cane California Fire Code 2019