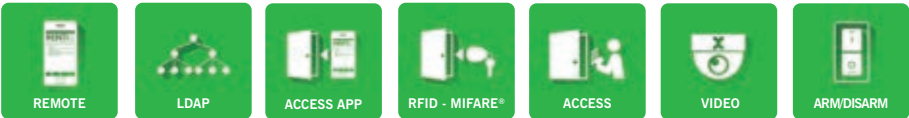# Wireless Door Knob DoorLock-DC

DoorLock-DC BASIC

RADIO
RFID
BATT

DoorLock-DC PRO

Thanks to the installation of the wireless Door Knob with a Euro profile cylinder, conventional DIN Euro profile locks can be used and practically no constructional measures are required. The Wireless Door Knob is suitable for all standard locks with DIN Euro profiles. Thereby, it is a cost-efficient solution for new as well as existing buildings. Different RFID mediums in MIFARE® DESFire® technology are available as keys. The Door Knob runs on two batteries (CR2) that can only be changed or removed with a special authorization in order to prevent tampering.

| REMOTE | LDAP | ACCESS APP | RFID - MIFARE® | ACCESS | VIDEO | ARM/DISARM |

Products

Type	Protec. class	Item nr.
DoorLock-DC BASIC for interior doors	IP65	KXC-KN1
DoorLock-DC BASIC for exterior doors	IP66	KXC-KN2
DoorLock-DC PRO for interior doors	IP55	KXC-KN4-IP55
DoorLock-DC PRO for exterior doors	IP66	KXC-KN4-IP66

Accessories

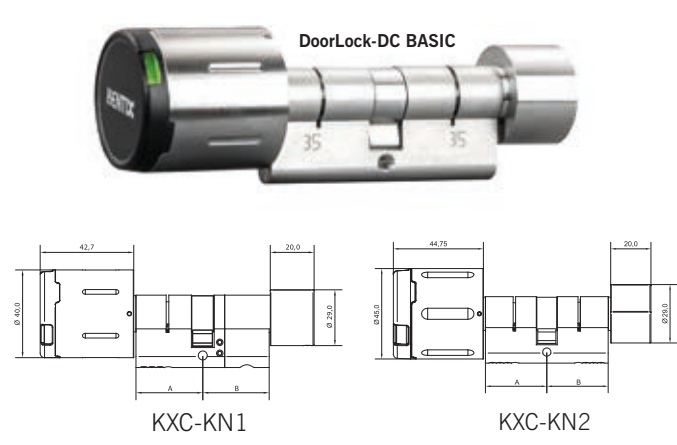| Type	Delivery content	Item number
Low Power Adapter	1 piece	KXC-BAT2
Spare batteries	2 pieces	KXC-CR2-2
Maintenance oil	1 piece	KXC-PLS50ML

Technical Details

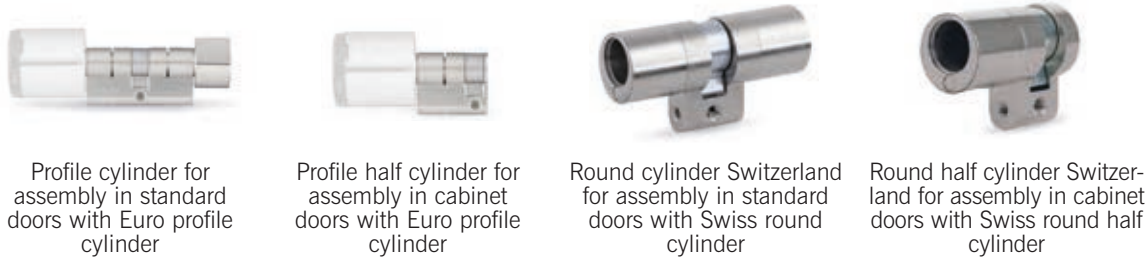|	
Function	Electronic door knob with RFID and wireless networking
Room/site size	One door for interiors or exteriors or both respectively
Radio frequency	868 MHz, encryption AES 128 Bit
Battery life (transactions/years)	Up to 45.000 transactions or 4 years
RFID reader	MIFARE® DESFire® 13,56MHz
Temperature range	-20°C up to +65°C
Configuration	Via Kentix AccessManager (KXP-16-B/W)
Radio range	Approx. 25m
Batteries	KXC-KN1/2 2x CR2 (3V), KXC-KN4 1x CR2 (3V))
Profile cylinder	DIN18252, different lengths available starting at 30 mm in 5 mm increments
Size	See dimension drawing on the right
Protection class	KXC-KN1 (IP55), KXC-KN2 (IP66), KXC-KN4-IP55 (IP55), KXC-KN4-IP66 (IP66)
Delivery content	Wireless Door Knob, Batteries
Approval	CE, DIN15684

DoorLock-DC PRO - compact radio knob for interior and exterior doors

▸ Resistance class 2
▸ Compact knob

The DoorLock-DC PRO (ART: KXC-KN4) has a compact, electronic external knob with a diameter of only 31mm and an integrated RFID reader for MIFARE®DESFire® media. The inside is equipped with a mechanically fixed rotary knob. The KXC-KN4 is available for inside and outside doors. Both variants comply with resistance class 2 according to DIN 18252. The variant for external doors also has increased weather protection (IP66). During development, the operating ergonomics have also been further improved, by shortening the engagement time and thus ensuring a fast booking and door opening is possible. The DoorLock-DC PRO is ideal for exterior and end doors with increased access frequency and high safety requirements. Due to the compact design, it can be mounted on frame doors with glass panels can be used, because even with small frame distances sufficient space remains between cylinder and frame.

DoorLock-DC BASIC

KXC-KN1   KXC-KN2

DoorLock-DC PRO

KXC-KN4

+

Hint: Always include the matching profile cylinder in your order.

Profile cylinder for assembly in standard doors with Euro profile cylinder

Profile half cylinder for assembly in cabinet doors with Euro profile cylinder

Round cylinder Switzerland for assembly in standard doors with Swiss round cylinder

Round half cylinder Switzerland for assembly in cabinet doors with Swiss round half cylinder

You will find an ordering assistance on how to measure your cylinder on the following pages.

Ordering assistance for Kentix DoorLock-DC
(Door Knob + Profile cylinder)

Easy selection of the Wireless Door Knob with matching profile cylinder in two steps
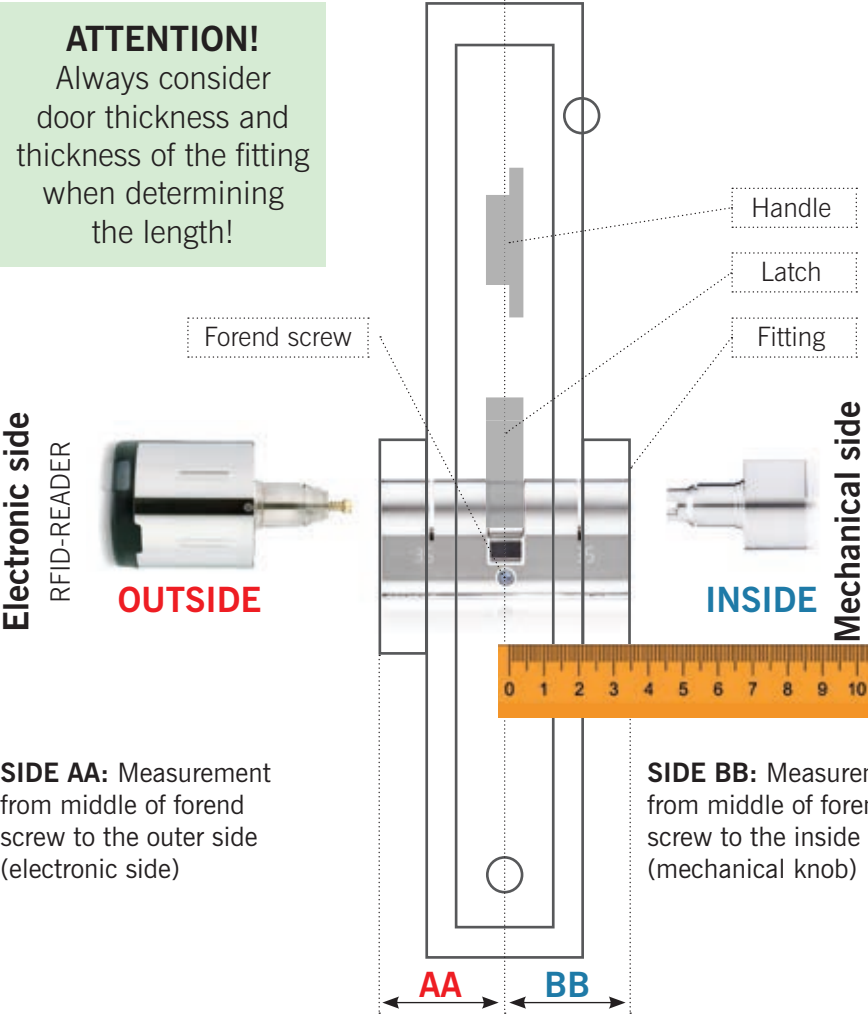
1

Select required Wireless Door Knob

2

Select profile cylinder matching the door

Only one Master Card Set required per site

Measuring the door panel for the profile cylinder

ATTENTION!
Always consider door thickness and thickness of the fitting when determining the length!

Handle

Latch

Fitting

Forend screw

Electronic side RFID-READER

OUTSIDE

Mechanical side TURNING KNOB

INSIDE

When determining the required cylinder length, the thickness of the fitting in use always has to be added to the door thickness. Always select the **next higher measurement** to what you measured in **5 mm** increments. Beginning at the **basic dimension of 30 mm** for profile cylinders or **32 mm** for Swiss round cylinders respectively per side (**AA/BB**), up until the maximum length of 70 mm or 72 mm respectively per side (**AA/BB**).

SIDE AA: Measurement from middle of forend screw to the outer side (electronic side)

SIDE BB: Measurement from middle of forend screw to the inside (mechanical knob)

AA   **BB**

EXAMPLE 1

Measured:	**AA** = 30.5 mm	**BB** = 38 mm	
Order length:	**AA** = 35 mm	**BB** = 40 mm	**Total length = 75 mm**, select version of up to 80 mm
Kentix item numbers:	KXC-80-**AABB**	(**AA**=Electronic side / **BB**=Mechanical side)	
	KXC-80-**3540**	Item number for profile cylinder of up to 80 mm total length	
	KXC-80CH-**3242**	Item number for round cylinder (Switzerland) of up to 84 mm total length	

EXAMPLE 2

Measured:	**AA** = 46.5 mm	**BB** = 65 mm	
Order length:	**AA** = 50 mm	**BB** = 65 mm	**Total length = 115 mm**, select version of up to 140 mm
Kentix item numbers:	KXC-140-**AABB**	(**AA**=Electronic side / **BB**=Mechanical side)	
	KXC-140-**5065**	Item number for profile cylinder of up to 140 mm total length	
	KXC-140CH-**4767**	Item number for round cylinder (Switzerland) of up to 144 mm total length	

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1 Select Wireless Door Knob – Interior door, exterior door or compact

OUTSIDE RFID-READER

INSIDE TURNING KNOB

Select Wireless Door Knob	Item number
DoorLock-DC BASIC for interior doors (IP55)	KXC-KN1
DoorLock-DC BASIC for exterior doors (IP66)	KXC-KN2
DoorLock-DC PRO for interior doors (IP55)	KXC-KN4-IP55
DoorLock-DC PRO for exterior doors (IP66)	KXC-KN4-IP66

2 Select profile cylinder – length and function

OUTSIDE Electronic side

80 / 140 mm

AA   **BB**

INSIDE Turning knob

Item number: KXC-80-**AABB**	30-50 mm	30-50 mm	possible total length 60 - 80 mm (AA+BB)
Item number: KXC-140-**AABB**	30-70 mm	30-70 mm	possible total length 85 - 140 mm (AA+BB)

Profile cylinder for standard doors with Euro profile cylinder: Select matching length	Item number
Profile cylinder standard up to 80 mm cylinder length with mechanical turning knob, incl. forend screw	KXC-80-AABB
Profile cylinder standard up to 140 mm cylinder length with mechanical turning knob, incl. forend screw	KXC-140-AABB
Profile cylinder with anti-panic-function up to 80 mm cylinder length and mech. turning knob, forend screw	KXC-80AP-AABB
Profile cylinder with anti-panic-function up to 140 mm cylinder length and mech. turning knob, forend screw	KXC-140AP-AABB
Profile half cylinder up to 50 mm, incl. forend screw	KXC-50-AA
Profile half cylinder up to 50 mm with spring reset LEFT, incl. forend screw	KXC-50-AA-SRL
Profile half cylinder up to 50 mm with spring reset RIGHT, incl. forend screw	KXC-50-AA-SRR
Round cylinder (Switzerland) for standard doors with Swiss round cylinder: Select matching length	**Item number**
Round cylinder (Switzerland) standard up to 84 mm cylinder length with mech. turning knob, forend screw	KXC-80CH-AABB
Round cylinder (Switzerland) standard up to 144 mm cylinder length with mech. turning knob, forend screw	KXC-140CH-AABB
Round half cylinder (Switzerland) up to 50 mm, incl. forend screw	KXC-50CH-AA

SPECIAL LENGTHS UPON REQUEST!

Possible lengths profile cylinder:	Possible length Swiss round cylinder:
AA BB	AA BB
30 30	32 32
35 35	37 37
40 40	42 42
45 45	47 47
50 50	52 52
55 55	57 57
60 60	62 62
65 65	67 67
70 70	72 72

(1)

Type Wireless Door Knob	Version
KXC-KN1	DoorLock-DC BASIC for interior doors (IP55)
KXC-KN2	DoorLock-DC BASIC for exterior doors (IP66)
KXC-KN4-IP55	DoorLock-DC PRO for interior doors (IP55)
KXC-KN4-IP66	DoorLock-DC PRO for exterior doors (IP66)

(2)

Type profile cylinder	Max. total length ($AA + BB$ in mm)	Variante	Length outside (mm)	Length inside (mm)
KXC-	80	- (Standard)	AA	BB
	140	AP- (Anti-Panik)		
	144	CH- (Switzerland)		

		WIRELESS KNOB	PROFILE CYLINDER			
POS	Door name	Type Interior/Exterior/Compact	Type max. total length	Version	AA (mm)	BB (mm)
-	Sample door entrance	☑ KXC-KN1 (IP55) ☐ KXC-KN2 (IP66) ☐ KXC-KN4 (IP55) ☐ KXC-KN4 (IP66)	☐ KXC-50 (Halbzyl.) ☐ KXC-80 ☑ KXC-140	☑ - ☐ AP- ☐ CH-	41 45	56 60
1		☐ KXC-KN1 (IP55) ☐ KXC-KN2 (IP66) ☐ KXC-KN4 (IP55) ☐ KXC-KN4 (IP66)	☐ KXC-50 ☐ KXC-80 ☐ KXC-140	☐ - ☐ AP- ☐ CH-		
2		☐ KXC-KN1 (IP55) ☐ KXC-KN2 (IP66) ☐ KXC-KN4 (IP55) ☐ KXC-KN4 (IP66)	☐ KXC-50 ☐ KXC-80 ☐ KXC-140	☐ - ☐ AP- ☐ CH-		
3		☐ KXC-KN1 (IP55) ☐ KXC-KN2 (IP66) ☐ KXC-KN4 (IP55) ☐ KXC-KN4 (IP66)	☐ KXC-50 ☐ KXC-80 ☐ KXC-140	☐ - ☐ AP- ☐ CH-		
4		☐ KXC-KN1 (IP55) ☐ KXC-KN2 (IP66) ☐ KXC-KN4 (IP55) ☐ KXC-KN4 (IP66)	☐ KXC-50 ☐ KXC-80 ☐ KXC-140	☐ - ☐ AP- ☐ CH-		
5		☐ KXC-KN1 (IP55) ☐ KXC-KN2 (IP66) ☐ KXC-KN4 (IP55) ☐ KXC-KN4 (IP66)	☐ KXC-50 ☐ KXC-80 ☐ KXC-140	☐ - ☐ AP- ☐ CH-		
6		☐ KXC-KN1 (IP55) ☐ KXC-KN2 (IP66) ☐ KXC-KN4 (IP55) ☐ KXC-KN4 (IP66)	☐ KXC-50 ☐ KXC-80 ☐ KXC-140	☐ - ☐ AP- ☐ CH-		

Wireless Door Lever
see page 62

Wireless Door Knob
see page 56