



XS

Pro Cylinder

The XS Pro Cylinder is an autonomous access control system for contactless proximity cards and fobs, miniaturised to fit in a door cylinder.

This wireless access control device is easy to fit or retrofit to existing doors by simply replacing the door cylinder. The XS Pro Cylinder body is modular in design so that it can be used for all door thicknesses from 40mm to 120mm.

Various different access requirements can be met with the XS Pro Cylinder:

- double cylinder with access control on both sides
- single cylinder to secure doors electronically on one side, for example an office door
- Single cylinders designed specifically for glass doors.

The creation, customisation and management of access authorisations can be done using three different types of communication:

1. Offline: In the access control software, assigned access rights are transferred to the XS Pro Cylinder via an

IrDA or wireless interface. Bookings and events can be downloaded at a later date.

2. Access on Card (AoC): Used like a key, all access permissions are saved on the ID card, allowing the card to be enabled or disabled. The access permissions are defined in the parent access controller and transmitted automatically or manually on an AoC station on the card.

3. Online: The XS Pro Cylinder can work in online mode directly with the parent access controller. Online

access authorisation checks are comparable with a wired online system. Event messages and authorisation changes are effective immediately.

The way that the XS Pro Cylinders are used can be changed at any time.

Fitting, removal and battery change are also controlled via an IrDA interface.

DORMA XS PRO CYLINDER

Technical Data	XS Pro Cylinder
Design	Lock handle and profile cylinder body form one unit. The dimensions must be taken into account when ordering.
Variants	EE (emergency exits): The lock is reset by spring force in a defined position. FR (Fire Resistance): to F90 VDS with BZ + recognition WR (Water Resistance): IP65 on the outside DK (Removable external knob): with protruding outer shaft OI (Without inner knob) Availability and dependencies according to configurator
Display	Visual signal red/green/blue light segment in the knob sleeve
Reader alternatives/ Transmit frequency	Mifare (Classic and DESFire) Frequency 13.56 MHz Legic (Prime and Advant) Frequency 13.56 MHz Hitag (Hitag 1 and 2, EM 4102 and EM 4150) Frequency: 125 kHz Conforms to ETSI EN 300330
Activation	Contactless (automatically on approach)
Read distance	Approximately 3 cm depending on card process and transponder
Programming access rights	By IrDA interface - Netbook and 868 MHz wireless USB stick
Online radio interface	868 MHz (G0-G4-Band), Range typically 10 m Authenticates and encrypts transmission in compliance with ETSI EN 300 220
Power supply	2 x CR-2 3V Lithium Battery. Battery change with special tool
Battery life	At +20°C ambient temperature, depends on mode Battery life approximately 2 years or 30,000 actuations
Time/ Date	Deviation at room temperature: up to ±10 Minutes/Year
Protection rating	IP 54 or IP 42
Ambient conditions	Operating temperature range: -20°C to +70°C Storage range temperature: -20°C to +70°C Humidity range: 20 % to 99 % non-condensing Testing according to DIN IEC 60068-2-1/2/3/30 VDS: Environmental class III, weatherproof installation
Corrosion resistance	VDS: Corrosion protection according to DIN EN 1670 class 3, corrosion test according to DIN EN ISO 6988
Cycles	At least 100,000 cycles (according to DIN EN 1303)
General design	In accordance with EN 60950-1 - Device with internal power supply, human exposure to electromagnetic fields EN 50364 and 50371
EMC	EN 301489-3 / EN 300330-2 / EN 300220-2
Approvals and certifications	In preparation: VDS + BZ recognition VDS 2156-2 Resistance time against mechanical attacks according to VDS C Tested by BSI guideline TL-03405, Recommended by BSI guideline TL-03400 The VDS-recognition and BSI-examination do not exist for the option DK removable outside knob casing.
Lengths	Glass door cylinder min. 27.5 / 10 mm to max. 40 / 27.5 mm Double cylinder min. 30/30 mm to max. 80/80 mm Half cylinder min. 30 / -mm up. 80 / -mm extended 5 mm per Glass door cylinders inside each 2.5 mm Larger lengths available as special lengths from 85 mm on request
Dimensions	Outside knob: Ø 37 mm, 44 mm long Inner knob: Ø 30 mm, 30 mm long
Dimensions FR (Fire Resistance)	Outside knob: Ø 37 mm, 48 mm long (+ 4 mm shaft extension) Inner knob: Ø 30 mm, 30 mm long
Casing colour	Cylinder and knob casing: stainless steel or brass (similar) Reader cover: anthracite
Assembly / Inspection Maintenance	Assemble profile cylinder in accordance with DIN 18252 and EN 1303. Refer to the separate manuals that contain mandatory instructions to be followed for installation, testing and maintenance.
Weight	Double cylinder 30 x 30 mm: 374 g (ready for operation)



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