



SOLENOID BOLT DEAD LOCKING

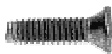

DX 4025 Fail Secure
DX 4025/IF Fail Safe

Rating
IP 53

OPERATING AND MOUNTING MANUAL



MOUNTING KIT

Qty	Description	Photo
1	M5x30 DIAX® screw	
1	DIAX® spanner	

Dimensions:

- strike plate: 320H x 25W x 3D (mm)
- body: 230H x 23W x 35D (mm)

I. TECHNICAL SPECIFICATIONS

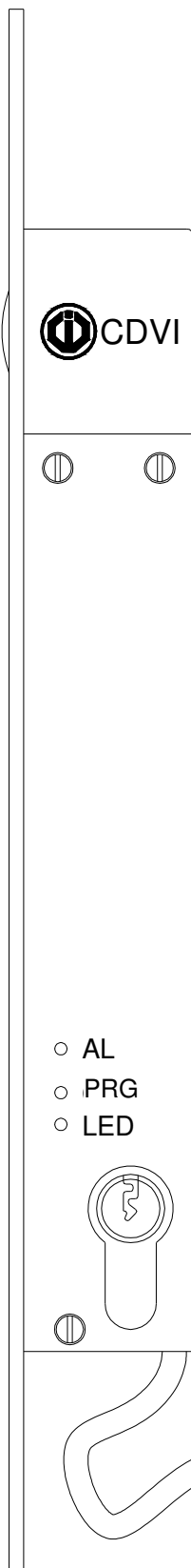
Mechanical Specifications:

- **Dimensions:**
 - Strike plate & face plate (HxWxD): 320 x 25 x 3mm.
 - Lock body (HxWxD): 230 x 23 x 35mm.
- **Deadlocking:** deadlocking mechanism totally independent.
(PATENTED)
- **Saw proof:** rotating cylindrical stainless steel bolt.
- **Anti-dust:** stainless steel body totally sealed.
- **Robust:**
 - 3 MM stainless steel strike and face plates.
 - Guiding bolt in stainless steel.
- **Adjustable state:** Fail secure or fail safe, power to unlock (NC) or power to lock (NO).
- **Euro Cylinder (not included).** Use the **DIAX M5x30** screw and the **ODIAX** spanner) to mount the euro profile cylinder.

Electronic Specifications:

- **Nominal power supply:** 12Vdc (variation 11Vdc to 16Vdc).
- **Nominal consumption:**
 - 2A in-rush.
 - 0,4A stand by.
- **Monitoring:** **maximum voltage 50mA @30 VDC that can be admitted by the OC.**
- **Door Locked optical sensors**
(Example: if “locking forced” or “unlocking forced”, then re-locking will repeat 10 times, after the alarm)
Notice: normal unlock control resets the system
- **Door position** by way of a magnet, placed on the face plate, and by a Hall-effect sensor, inside the lock body.
- **Interference reduction:** this lock is activated by a powerful electromagnet with double winding, without current cutting.

II. OPERATING



Lock release time

Adjustment is made in 2.5 second steps (with 24 steps, therefore 60 seconds time maximum release time).

SEL: Selection of timing

PRG: Programming of 2.5 second increments

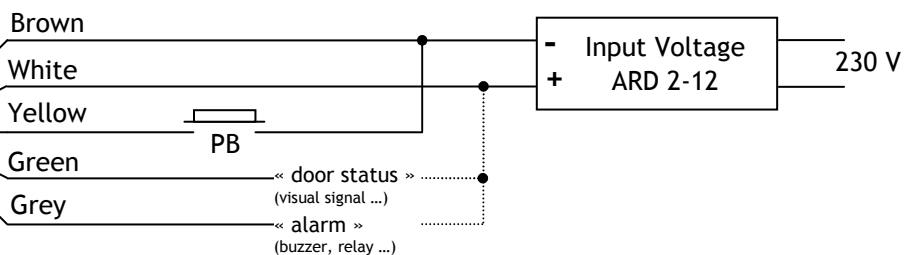
Time adjustment instruction:

- 1- Press the button PRG for 2.5 seconds. The LED illuminates.
- 2- Press the button SEL (hold each press for 7.5 seconds in order to make the selection).
 - 1 press: Door Release time (5 seconds default).
 - 2 press: Alarm time (5 seconds default).
 - 3 press: Delay time before locking (2.5 seconds default).
- 3- At the end of the 7.5 seconds, the validation and reminder of the selection is shown by LED flashes (1, 2 or 3).
- 4- Then set the time by pressing on the PRG button:
 - 1 press, 2 press ... 2.5 seconds, 5 seconds etc (flashes after every press).
- 5- In order to confirm the programming, press the PTG button for 3 seconds. The LED flashes to indicates that you exit from programming mode.
- 6- For another time adjustment, repeat step 1 to 5.

Working instruction :

- The open command for the door is via a 0V trigger.
- Re-locking takes place when the door is closed and the faceplate and strikeplate line up.
- « door status » output gives 0V when the door is locked.
- « alarm » output gives 0V if the door is still open after the requested time, or in default, or having been forced.

Brown	0V
White	+12 VDC (2 Amp in rush current)
Yellow	Unlock activation with 0V
Green	«Door Status» output (open collector 30VDC @ 50mA)
Grey	«Alarm» output (open collector 30VDC @ 50mA)



III. WIRINGS

Important : Allow cable to have the appropriate cross section depending on the distance between the power supply and the lock. (0.4 to 0.9 mm²).

Note : the dimension of the cable provided is 300 mm .

IV. Templates

