

NDR8210



The PAD driver NDR8210 is tailored specifically for PAD7220 and is therefore the perfect companion for this PAD. It allows speed control and torque feedback through a dedicated USB interface.

PAD DRIVER NDR8210

The NDR8210 is the dedicated driver for the PAD7220. The driver system is tailored for the specific PAD.

The NDR8210 is easily connected to the user's PC via a standard USB cable. From the PC the user can command and control each parameter separately ranging from rotational speed and direction to more complex matters such as high speed positioning.

All cabling and software is shipped with each individual PAD as a plug-and-play unit. Inside the NDR8210 is a fused high-voltage power supply, which is controlled by the in-system microcontroller monitoring the actual output signals going to the PAD. From the voltage and phase of the driver output, a live measurement of the torque will be shown through the software supplied with the unit.

The NDR8210 has an easy to use interface with only two buttons, reset and high-voltage enable/disable, which cannot be accessed through the software interface and therefore serve as safety "overrides" in case of computer back-lock.

Accessories

The NDR8210 is shipped with the following accessories:

- Black Pelican case
- USB stick containing software
- USB cable
- 12 Vdc, power supply
- Output cable to the PAD
- Power cord adapted to the country of use (please specify when ordering)

SPECIFICATIONS

Parameter	Unit	NDR8210	Tolerances
Input/ output characteristics			
Supply voltage	Vdc	12	
Supply current	A	3A	Max
Power input connector		P2J Ø2.1*Ø5.5*11	
Logic input connector		USB	
Output connector (LEMO)		EGG.2B.314.CLL	
Electrical parameters (AC adapter)			
Input voltage range	Vac	100 – 240	
Input frequency range	Hz	47 – 63	
Power	W	80	Max
Operational parameters			
Output voltage range	V	-20 – 200	
Frequency range	Hz	0 – 40	
Output noise (7µF load)	mV	5	Max
Points per PAD cycle		1,024	
Environmental parameters			
Temperature range	°C	+5 – +45	
Ingress protection		IP 31	
Mechanical parameters			
Mass	kg	1.8	Max