Prisma Daps



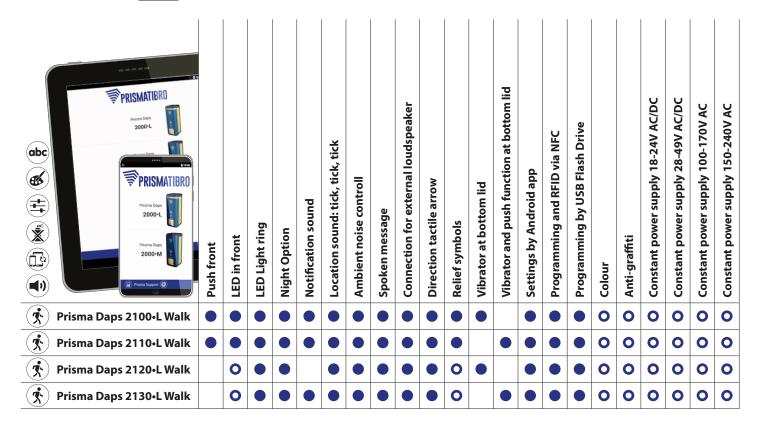
DIGITAL ACOUSTIC PEDESTRIAN SIGNAL

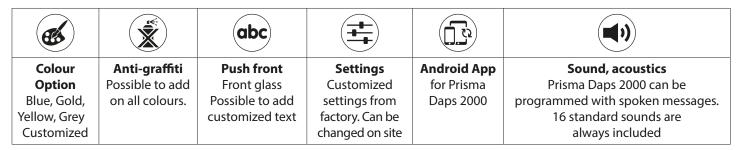
2000·L

TECHNICAL SPECIFICATIONS











HEARING

AUDIBLE INFORMATION

Audible information is mostly important for people with impaired vision. Location sound is a help for pedestrians to locate the push button and gives important information about the status of the intersection.

Follow the locator ton	e from opposite side to know the direction of the crosswalk.							
Sound level	• Individually set for all phases (green, red, flashing green, flashing red, yellow) and internal							
	and external loudspeaker	and external loudspeaker						
	Min and Max settings are adjustable in steps of 1dB							
	• Prisma_Sound nr 5, audible in ambient traffic noise up to 105dB (C)							
	Sound frequency 180–7000Hz							
Ambient noise	A microphone continuously measuring the ambient traf	ffic noise to adjust the device						
control	sound level accordingly.							
	• Smart enough to know in which sound frequency to ir	ncrease the sound or not,						
	always audible but less disturbing							
	• Adjustable in level of 1 dB over ambient noise, from -1.	5dB to +15dB						
	Individually set for all phases							
Location sound:	A help for pedestrians to locate the push button and	Effective sound without being louder						
tick, tick, tick	get the status of the intersection.	Audible through all ambient traffic noise						
	Following the locator tone from opposite side, the	• Easy to locate and find the source of the sound						
	pedestrian can cross the street safely.	Not mistakable with other sounds in the urban						
	Recommended sound: Prisma_Sound_05	environment						
	• Puls frequency 30 ppm–750 ppm	Minimum disturbance for neighbors						
	Prisma Daps 2000 has 16 standard sounds and the	All these requirements is met in Prisma Daps						
	possibility to upload and record sounds	unique original sound (Prisma_Sound_05) and						
	Individually set for all phases	the technics in Prisma Daps 2000.						
Spoken message	An example of user application: Warning messages, eme	ergency vehicle, roadwork, turist information.						
	Record your own spoken message directly into Prisma Daps Android-app,							
	playing time of 8 min in total are available for the mess	sages						
	Choose from pre-recorded messages							
	Possible to connect external signal through one of the	three wires (1-3) to activate messages.						
Notification sound	After pushing the front you get a notification sound: Beel	o, as a response to your demand.						

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Hearing Audible information	Vision Visual information	Tactility Tactile information	Pedestrian Walk	Bike	Tram	Bell Sound	Without Location Sound	Standard	Option



VISION

VISUAL INFORMATION

Visual information clarifies the status of the intersection and if the button is notified. Important for those with impaired hearing.



LED limbt in frant	Notification light of volumentiation different autions
	Adjustable light intensity from 25–100%
	Notification light – different options – or constant light
	Visibility 270° horizontal angle
LED Light ring	LED light ring for increased visibility at long distance



LED light in front • Notification light of your application – different options

• The LED lens in the front gives you a notification light as a response to your demand

Adjustable light intensity from 25-100%

TOUCH

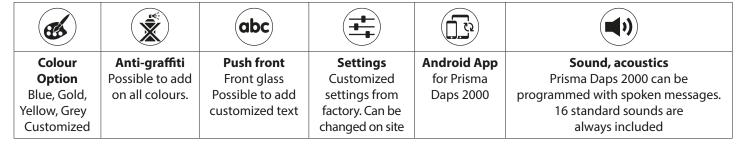
TACTILE INFORMATION

Direction arrow, relief symbols and vibrator are essential for those with impaired vision.



Don't forget the impo	rtance of information how to use the tactile information	on.				
Direction arrow	The tactile arrow shows the direction of the crosss	valk.				
	Delivered with single and double arrow					
Relief symbols	A tactile map which provides the visually impaired	pedestrian with information on the exact condition				
	of the roadway which is to be crossed.					
	Polycarbonate/ Plastic					
	• The symbols are always arranged in the direction	of travel from bottom to top				
	Always placed facing the walkway					
	• Delivered with 7 different symbols as puzzle piece	es.				
	A description about the meaning of the symbols and direction arrows are available in the packaging.					
Vibrator general	With or without push function. There is a distinct of	change in the vibrator pulse rate when changing from				
	red to green, to be easier for pedestrians to know	that the green phase is active.				
	Pulse frequency 0-750 ppm, programmable and activated in actual phases.					
Vibrator specific	Vibrator without the push function	Vibrator with the push function				
	The vibrator is placed at the bottom lid.	Vibrator in combination with a push function.				
	It's known as "Vibrator plate with tactile dots"	It's known as: "Vibrator plate with a pressure button".				
		The push function gives the same notification as				
		the push front does but it can also be programmed				
		with other optional functions. For example:				
		Higher sound				

INFORMATION



Spoken messages

• Extended time for green light



PROGRAMMING

Programmable by Android App and transferable via NFC communication or USB drive.

Activated in the configuration file.

Recommended: Minimum 8-wires cable.

Compatible with Firmware 171206 or latest version.

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Hearing Audible information	Vision Visual information	Tactility Tactile information	Pedestrian Walk	Bike	Tram	Bell Sound	Without Location Sound	Standard	Option

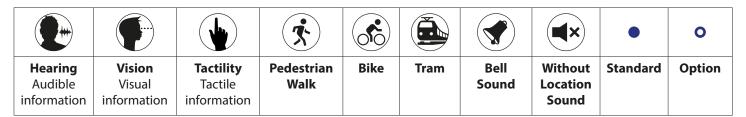


FUNCTIONALITY

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RFID Reader	 All Prisma Daps 2000•L series are supplied with NFC antenna which makes the communication possible with RFID. Acquire RFID-tags and program up to 16 tag groups for different functions and geographical areas RFID tags can be activated for extended green time, notification, higher sound volume or a spoken message RFID is programmed as a virtual button, which can be done in the factory or via Prisma Andoid App. NOTE: RFID of Prisma Daps 2000 is high frequency and not backward compatible to previous series Prisma Daps 1000 or Prisma Daps TS-900 which had low frequency RFID. To fit both Prisma Daps 1000 and Prisma Daps 2000 choose RFID Combi tag. For more information about RFID, visit www.prismatibro.se
External loudspeaker	 For intersections with an intensive traffic, wide streets with several lanes, it is recommended to connect an external loudspeaker. Prisma Daps 2000 can be used with external loudspeaker: Prisma Daps ES-400. To be installed at 2.5m hight facing opposite side of the street REQUIREMENTS Prisma Daps connected with 9- or 13-wire cabling. For more information about external loudspeaker Prisma Daps ES-400, visit www.prismatibro.se
Push functions	Prisma Daps 2000•L is flexible with several push functions which are existed both physically and virtually. Some examples of functions is: announcement, notification in sound and light, increased volume, extended green time, spoken messages, night options. • Front push function: direct push and/or extended push, can be programmed in several ways • Bottom push function: direct push and/or extended push, can be programmed in several ways • Virtual buttons: direct push and/or extended push, can be programmed in several ways. Most commonly used for RFID groups • Can be delivered without front push for intersections with fixed-time schedule
Night option	More options to program sound and functions during night time.
Yellow phase	Possible to program "Error" sound, light or activate a spoken message. For example: "Intersection is out of order"

		abc	+		
Colour	Anti-graffiti	Push front	Settings	Android App	Sound, acoustics
Option	Possible to add	Front glass	Customized	for Prisma	Prisma Daps 2000 can be
Blue, Gold,	on all colours.	Possible to add	settings from	Daps 2000	programmed with spoken messages.
Yellow, Grey		customized text	factory. Can be		16 standard sounds are
Customized			changed on site		always included







TECHNICAL DATA SHEET

Prisma Daps 2000 has an	CONSTANT POWER SUPPLY*	CONTROL I/O	LAMP I/O			
electrical design to meet all	18-24V AC/DC	10-50V AC/DC	10-50V AC/DC			
requirements for constant power supply.	28-49V AC/DC	17–50V AC/DC	17–50V AC/DC			
	100–240V AC	50–170V AC	50–170V AC			
	100-240V AC	120–250V AC	120–250V AC			
Protection Class	Class II, double insolated					
IK Rating	IK08					
IP Classification	IP56					
Power Consumption	2,5-10 W					
Locator sound frequency	880 Hz					
Min & Max volume	0 dBC, 30-87 dBC With connecting external loudsp	eaker: 100 dBC				
Light Character	Yellow, approx. 590nm waveleng	th				
Light Output	LED in front: 9 x 4000 Partial FLUX LED light ring: 32 x 4000 Partial F					
Temperature Range	-40° F to 158° F -40°C to +70°C					
Humidity	0-100% RH	0-100% RH				
Cabling	Standard 13-wire cabling. Adapter cabling is used when exchange of the electronic module from Prisma TS-900 series, Prisma Daps 1000 to Prisma Daps 2000. Customized cabling on request.					
Colour	Blue anodization • Gold anodizati Other colours on request	Blue anodization • Gold anodization • Yellow varnished • Gray varnished Other colours on request				
Anti-graffiti	Possible to add on all colours					
Housing Push Front	Aluminum No moving parts					
Lids Arrows	Polyamide PA66					
Dimensions	284 mm 125 mm					
Diameter to fit the pole	114 mm, 4.5 lnch					
Weight	≈ 2,5 kg					

 $^{{\}it *Separate direct constant supply-not through the lamp cable}$

1 ton 0.22 lbs

≈ 10 million presses

PrismaTibro 180626 • Reservation for errors and changes



Force to push the front

Push front mechanical life