PRISMA DAPS

DIGITAL ACCESSIBLE PEDESTRIAN SIGNAL

MANUAL
230 V AC

2300•S

PRISMATIBRO

INSTALLATION

OPTION 1

When the unit is mounted directly on the pole access panel from backside.

1. Unscrew the top cover and the light ring.
2. Remove the push front and the electronic module.
3. Remove the pole access panel
4. Insert the cable with the 7-pin connector mounted through pole access panel into the unit's oval hole.
5. Screw the unit onto the access panel from backside, using M6 screws max. 15 mm long.
6. Plug in the cable's 7-pin male connector into the unit's female connector.
7. Reinstall the push front, light ring and the top cover.
8. Connect the 4/5-wire cable into the pole according to the cable description.
9. Insert the power adapter into the pole and reinstall the pole access panel as Well as the unit onto the pole.
10. Test the device.

OPTION 2

When it's not possible to get access to screw from backside of the pole but the unit is in the same height as the pole access panel.

1. Unscrew the top cover and the light ring.
2. Remove the push front and the electronic module.
3. Remove the pole access panel.
4. Drill the cable hole in the pole to 28 mm diameter – minimum 26 mm.
5. Insert the cable with the 7-pin connector mounted through the drilled cable hole into the unit's oval hole.
6. Mount the housing on the pole as shown below.
7. Pull the cable upwards to the right in the recess and push the electronic module down into the upper track until the end position.
8. Plug in the cable's 7-pin male connector into the unit's female connector.
9. Reinstall the push front, light ring and the top cover.
10. Connect the 4/5-wire cable into the pole according to the cable description.
11. Insert the power adapter into the pole and reinstall the pole access panel onto the pole.
12. Test the device.

If it's not possible to drill the 28 mm cable hole minimum 26 mm

1. Then the connections should be disconnected from the 7-pin screw terminal with a small screwdriver.
2. Insert the cable through the drilled hole with a least diameter of 9 mm.
3. Reinstall the 7-pin screw terminal on the cable as illustrated in left side.
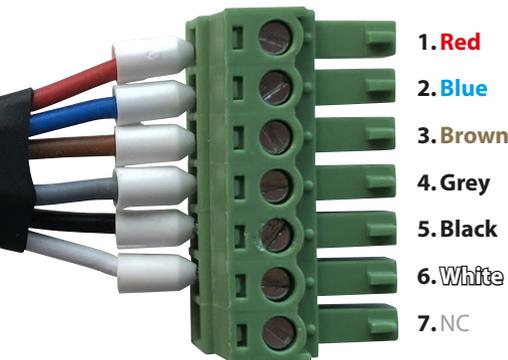
OPTION 3

**When the unit is to be mounted far from the pole access panel,
for example: on a bike support rail.**

NOTE!

For this to happen: When ordering, please specify that a longer cable is
required – then we will be able to supply 1 (one) extra meter to be
added to our standard cable.

1. Remove the pole access panel.
2. Disconnected from the 7-pin connector with a small screwdriver.
3. Insert a spring or something similar from the unit's cable hole all the way
   to the pole access panel space.
4. Fasten the cable's 6 wires where previously the 7-pin connector was fitted on
   the spring and pull the cable through until it comes out of the unit's cable hole.
5. Then reinstall the 7-pin screw terminal on the cable as shown below.
6. Unscrew the top cover and the light ring.
7. Pull out the push front and electronic module from the housing.
8. Insert the cable with the 7-pin connector through the housing's oval hole
   and mount housing where it should sit as shown below.
9. Pull the cable upwards to the right in the recess and push the electronic
   module down into the upper track until the end position.
10. Plug in the cable's 7-pin male connector into the unit's female connector.
11. Reinstall the push front, light ring and the top cover.
12. Connect the 4/5-wire cable into the pole according to the cable description.
13. Insert the power adapter into the pole and reinstall the pole access
    panel onto the pole.
14. Test the device.

HOLE PATTERN

Upon request a real
size hole pattern sticker
1 can be provided
along with the ordered
products. Fasten the
hole pattern on the
pole and drill the holes.

Ø 7mm

Ø 4mm

M6

Ø28mm

Ø13mm

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M6

Ø 4mm

Ø 7mm

[Not actual size]

1. **Red**

2. **Blue**

3. **Brown**

4. **Grey**

5. **Black**

6. **White**

7. NC

4-WIRE CABLING

**Missing the following wire
to Prisma Daps:**
• 6 White
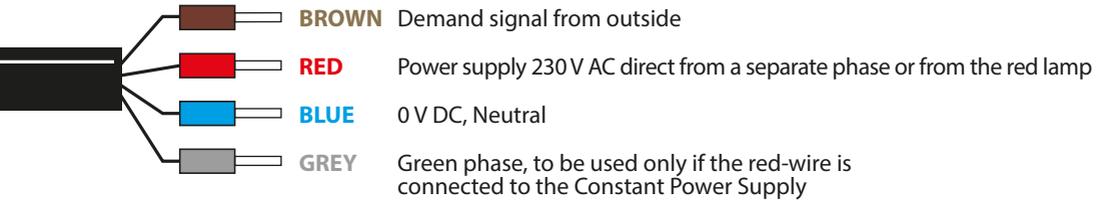This location will be left empty
upon reconnection.
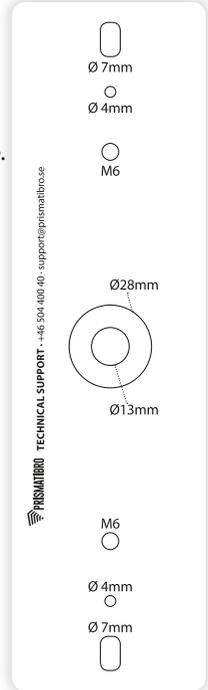
CABLE DESCRIPTION

4-WIRE CABLE

BROWN Demand signal from outside

RED Power supply 230 V AC direct from a separate phase or from the red lamp

BLUE 0 V DC, Neutral

GREY Green phase, to be used only if the red-wire is connected to the Constant Power Supply

5-WIRE CABLE

BROWN Demand signal from outside

RED Power supply 230 V AC direct from a separate phase or from the red lamp

BLUE 0 V DC, Neutral

GREY Green phase 230 V AC from green lamp. To be used only if the red-wire is connected to the Constant Power Supply

WHITE Relay 2, Error detection
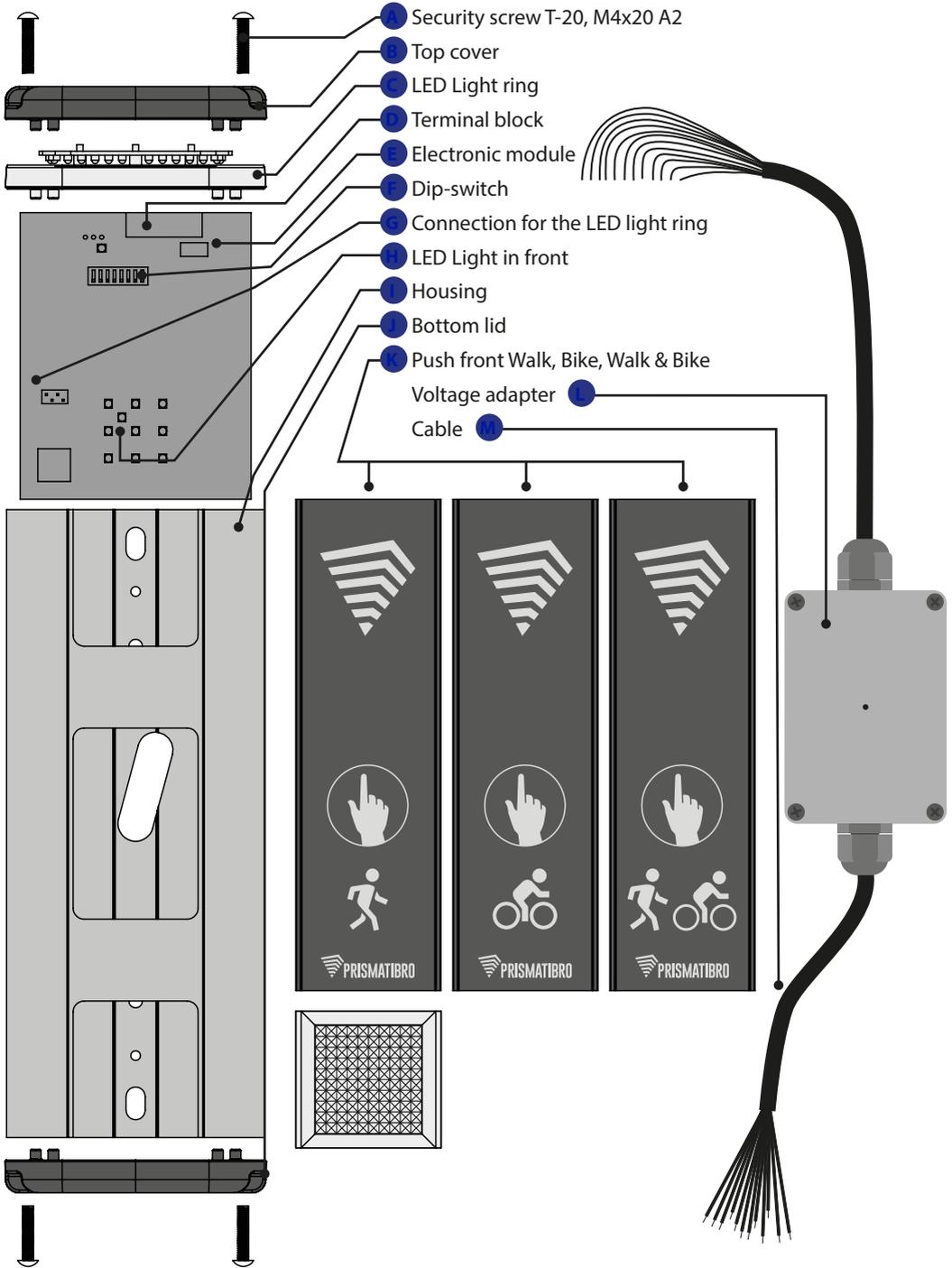
POWER SUPPLY & CABLE 230 V AC

Powered directly from a separate power source or through the red lamp.
Supplied with a 4 or 5-wires cable and voltage adapter.
The voltage adapter converts the intersection's/plant's operating voltage
down to 24 V DC which is Prisma Daps 2300•S series operating voltage.

EXPLODED VIEW

A Security screw T-20, M4x20 A2
B Top cover
C LED Light ring
D Terminal block
E Electronic module
F Dip-switch
G Connection for the LED light ring
H LED Light in front
I Housing
J Bottom lid
K Push front Walk, Bike, Walk & Bike
L Voltage adapter
M Cable

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DIP-SWITCHES

1: ON

Activates self-locking on the LED Light Ring,
LED light in front and GPD-system. It turns
off at green phase or during power failure.

2: ON

Activates auto detection of self-locking,
alternatively the LED Light Ring and LED Light in Front
will be controlled by the traffic controller.
When Dip-switch 2 is ON then Dip-switch 1 should be turned off.
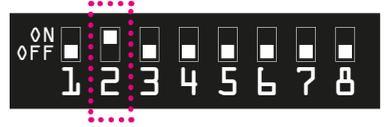
3: ON

Activates extended push.
3 seconds push activates relay 1 for 3 seconds.
Requirements: 5-wire cable.
NOTE!
If DIP 7 is ON, relay 2 is activated instead of extended push.

4: ON

Activates notification sound with demand from
outside - from other Prisma Daps pedestrian signals.

5: ON

Activates notification sound with demand.

6: ON

4-wire cable
activates the red error-LED light in front in case of an error.
5-wire cable
activates error signaling with relay 2 during green phase.
Also activates that the red LED light in front turns on while an error is detected.

7: ON

Output relay 2 is also activated with demand.
NOTE! If DIP 3 is ON, relay 2 activates only at extended push. At 4-wire cable should dip 7 turn off.

8: ON

The LED Light Ring is always activated.
NOTE! If the LED Light Ring is not connected, then DIP 8 is used to turn off the error reporting of the LED Light Ring.

TECHNICAL SPECIFICATIONS

Power supply	230 VAC ±10 %, 50 Hz
Power consumption	1 W when inactive 2 W when notification
Dimensions H x W x D	Prisma Daps with LED Light Ring: 263 x 96 x 45 mm Prisma Daps without LED Light Ring: 253 x 96 x 45 mm Voltage adapter: 82 x 57 x 34 mm
Diameter to fit the pole	Ø 114 mm
Weight	1,3 kg
MTBF	8 year
Temperature Range	-40 to +70° C -40 to 158° F
Warranty	5 year
Light Character	Glow Yellow, approx. 590 nm wave length
Light output LED in Front	9 x 4000 Partial FLUX
Light output LED Light Ring	14 x 4000 Partial FLUX
Protection Class	CLASS II
IP Classification	IP 55
IK Rating	IK 10
Housing	Aluminum
Top cover, bottom lid	Polyamid PA66

ERROR HANDLING

Visit: prismatibro.se/en/error-da
or scan the QR-code to get there.

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