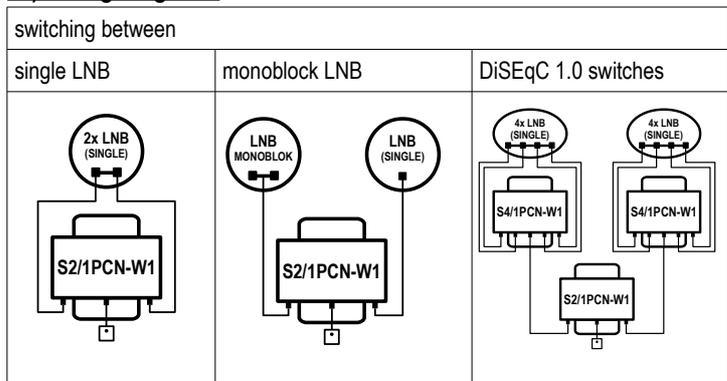


	certificate of conformity
	international standard for digital satellite equipment control, number (1.0, 1.1, 1.2 or 2.0) determines DiSEqC version
	According to EU directive, electric and electronic devices which are identified by one of the following symbols must not be disposed of together with municipal waste. When disposing of the old device, use local waste collection and separation systems.

10) Wiring Diagrams



11) Contact

EMP-Centauri s.r.o.
5. května 690
339 01 Klatovy
Czech Republic

tel: (+420) 376 314 852
fax: (+420) 376 314 367
info@emp-centauri.eu
www.emp-centauri.eu

Dear Customer, congratulations on the purchase of the EMP-Centauri product. Before its installation and putting into operation, read carefully the entire operation manual. Keep the purchase and rework (if any) records for future need.

1) Field of Application, Warranty

The product is designed for the distribution of satellite TV and radio signals. We recommend the device to be installed by the qualified technician. EMP-Centauri's PROFI CLASS products are covered under 6 (six) years warranty from the date of purchase. The warranty shall not apply to the product used for other than the specified purpose. The user will be responsible for injury or material damage which may arise in consequence of any product use in contradiction with the manual. Repairs or any interventions in the product may be performed only by EMP-Centauri company, or other companies authorized by EMP-Centauri.

2) Technical Specifications

The product is a universal LNB switch suitable for outdoor use. It switches signals from 2 LNBs, allows to add next LNB to existing Monoblock LNB or to switch between two DiSEqC 1.0 switches. The product is controlled from satellite receiver using commands DiSEqC 1.0, 1.1 or 1.2, the choice of command depends on manner of usage. The switch passes through DC voltage, 22 kHz and DiSEqC commands, its inputs are short-circuit protected.

Number of inputs / Outputs	2/1
Frequency Range	SAT 950–2300 MHz
Insertion Loss (avg)	SAT 5 dB
Isolation (min)	SAT 25 dB (between inputs)
Control	DiSEqC 1.0, 1.1 a 1.2
Current Consumption	30 mA (18 V DC) from satellite receiver
LNB Current (max)	400 mA (18 V DC)
Dimensions (w,d,h)	8.2 x 7.7 x 2.3 cm
Temperature Range	-30°C – +70°C

antenna may cause dangerous overvoltage in the product metallic parts.

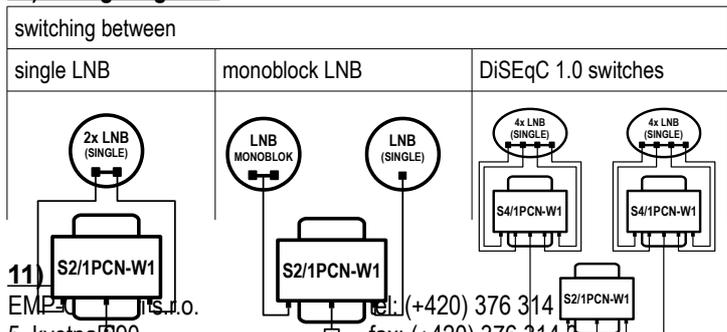
8) Product Maintenance

Always disconnect the product from the wiring before performing any maintenance of the product. If you have to enter places with a risk of fall, pay attention to your safety. Use only dry cloth to clean the product and do not use any liquid agents. Coaxial cables installed outdoors should be replaced once in a few years. Unscrew all F connectors and clean connector contacts, resp. shorten the coaxial cable by approx. 2 cm, every 2 years.

9) Symbols Explanation

	certificate of conformity
	international standard for digital satellite equipment control, number (1.0, 1.1, 1.2 or 2.0) determines DiSEqC version
	According to EU directive, electric and electronic devices which are identified by one of the following symbols must not be disposed of together with municipal waste. When disposing of the old device, use local waste collection and separation systems.

10) Wiring Diagrams



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3) Product Takeover

Make sure that the product is not damaged. Please contact your dealer in the case of damage.

4) Product Storing and Installation

The product must not be stored and installed, in the place with excessive dust pollution, mechanical vibrations or impacts, in the place out of temperature limits specified in the section 2) Technical Specifications, close to heat sources (radiators or air ventilators, etc.) and in the reach of children. Fix the product firmly on a wall or another hard and inflammable surface with screws and dowels or fix it to the antenna mast with folding strip, the direction of F sockets is always downward. The product shall be in no case held only by the connected cables. Do not place any containers with liquids (vases, glasses etc.) or naked flame sources (lighted candle etc.) on the product or near the product.

5) Product Connection

Connect the product in accordance with this manual and valid regulation. Use high-quality 75 Ω coaxial cable designed for satellite reception. The coaxial cables shall not be broken, the minimum bending radius should be 5 cm. Mount the F connectors (screw, crimp or compress type) on the ends of coaxial cables. Connect the F connectors into the F sockets of product and fasten them with an appropriate force.

Connect input F sockets marked SAT 1–2 IN with the outputs of single LNB, Monoblok LNB or with outputs of DiSEqC 1.0 switches. Connect output F socket marked SAT OUT with other components in distribution system (satellite receiver, wall socket etc.). The wiring examples are shown in the section 10) Wiring Diagrams or at www.emp-centauri.eu.

Number of inputs / Outputs	2/1
Frequency Range	SAT 950–2300 MHz
Insertion Loss (avg)	SAT 5 dB
Isolation (min)	SAT 25 dB (between inputs)
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6) Product Settings

Satellite receiver is necessary to set according to following tables.

Two single, twin or quad LNBs switching application:

LNB connected to input	DiSEqC command for switching into given LNB	satellite receiver settings
SAT 1 IN	DiSEqC 1.0 Position 0	DiSEqC 1 (A)
SAT 2 IN	DiSEqC 1.0 Position 1	DiSEqC 2 (B)

Two monoblocks or two “position” DiSEqC 1.0 switches:

LNB connected to input	DiSEqC command for switching into given LNB	satellite receiver settings
SAT 1 IN	DiSEqC 1.1 Uncommitted 1	DiSEqC Uncom. 1
	DiSEqC Goto nn	rotate until signal is found, then save position
SAT 2 IN	DiSEqC 1.1 Uncommitted 2	DiSEqC Uncom. 2
	DiSEqC Goto nn	rotate until signal is found, then save position

It is recommended to reboot the satellite receiver before entering channel search.

7) Safety

Due to security reasons the product and wiring in which the product is connected, must be grounded properly. Make sure the antennas are grounded properly. Connect all devices to power grid only after all connections are finished and checked. Never work on the wiring (including satellite receivers, TVs) during or before a storm. A lightning stroke into the antenna may cause dangerous overvoltage in the product metallic parts.

8) Product Maintenance

Always disconnect the product from the wiring before performing any maintenance of the product. If you have to enter places with a risk of fall, pay attention to your safety. Use only dry cloth to clean the product and do not use any liquid agents. Coaxial cables installed outdoors should be replaced once in a few years. Unscrew all F connectors and clean connector contacts, resp. shorten the coaxial cable by approx. 2 cm, every 2 years.

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	DiSEqC Goto nn	rotate until signal is found, then save position

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