

Remark: recommended cable length in above examples is 5 m.

**11 Contact**

EMP-Centauri s.r.o.  
 5. května 690  
 339 01 Klatovy 4  
 Czech Republic

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



T5/5+5PNP-3 v10, T4/4+4PNN-3 v10  
 T5/5+5PCP-3 v10, T4/4+4PCN-3 v10

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 (SAT) and terrestrial (TERR), TV and radio signals. **We recommend the device to be installed and serviced 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**

T5/5+5PNP-3 is a cascable tap for 4 SAT IF + 1 terr. coaxial leads. Satellite trunk lines are DC through. It is not allowed to apply a DC power to the terrestrial trunk line. All taps are passive and DC isolated from trunk lines.

T4/4+4PNN-3 is a cascable tap for 4 SAT IF coaxial leads. Trunk lines are DC through. taps are passive and DC isolated from trunk lines.

T5/5+5PCP-3 is a cascable tap for 4 SAT IF + 1 terr. coaxial leads. Satellite trunk lines are DC through. It is not allowed to apply a DC power to the terrestrial trunk line. Satellite taps are active, powered from connected coaxial cables. Terrestrial tap is passive. All taps are DC isolated from trunk lines.

T4/4+4PCN-3 is cascable tap for 4 SAT IF coaxial leads. Trunk lines are DC through. Taps are active, powered from connected coaxial cables, and DC isolated from trunk lines.

All taps are mechanically designed to allow stacking into a compact multi-satellite tap block.

SPECIFICATIONS	T5/5+5PNP-3 v10	T5/5+5PCP-3 v10	T4/4+4PNN-3 v10	T4/4+4PCN-3 v10
<b>Number of Inputs</b>	5		4	
<b>Number of Trunk Outputs</b>	5		4	
<b>Number of Taps</b>	5		4	
<b>Frequency Range</b>	TERR 5-862 MHz, SAT 950-2300 MHz		SAT 950-2300 MHz	
<b>Insertion Loss – Trunk Outputs (avg)</b>	TERR 3 dB, SAT 2 dB		SAT 2 dB	
<b>Insertion Loss – Tap Outputs (avg)</b>	TERR 11 dB, SAT 11 dB	TERR 6 dB, SAT 5 dB	SAT 11 dB	SAT 5 dB
<b>Isolation (min)</b>	30 dB (between trunk lines)			

SPECIFICATIONS	T5/5+5PNP-3 v10	T5/5+5PCP-3 v10	T4/4+4PNN-3 v10	T4/4+4PCN-3 v10
Maximum Input Level* (avg)	-	SAT 100 dBuV	-	SAT 100 dBuV
Maximum Input Level at Trunk Output* (avg)	-	SAT 98 dBuV	-	SAT 98 dBuV
Maximum Input Level at Tap Output* (avg)	-	SAT 95 dBuV	-	SAT 95 dBuV
Current consumption (max)	-	40 mA (18 V)	-	40 mA (18V)
Dimensions (w,d,h)	12.7 x 10.4 x 4.1 cm			
Temperature Range	-30 – +70 °C			

\* TERR: EN 50083-3/60dB IMA<sub>3</sub> [dBuV]; SAT: EN 50083-3/35dB IMA<sub>3</sub> [dBuV]

### **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 humidity
- 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, direct sunshine etc.)
- in the reach of children.

Do not expose the apparatus to dripping or splashing. Use the apparatus only in moderate climates (not in tropical climate).

Fix the product firmly on a wall or another hard and inflammable surface with screws and dowels.

- The product shall be in no case held only by the connected cables.
- Do not cover the product (with curtains etc.).
- 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 in your country. Use high quality 75 Ω coaxial cable designed for satellite (possibly terrestrial) reception. 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. The coaxial cables shall not be broken, the minimum bending radius should be 5 cm.

Where appropriate it is possible to use quick Fm–Fm adaptors instead of cables.

- Connect F sockets marked SAT IN (possibly TERR IN) to Quattro LNB (terrestrial antenna) or to F sockets marked SAT OUT (TERR OUT) of preceding distribution unit.
- Connect F sockets marked SAT OUT (possibly TERR OUT) to F sockets marked SAT IN (possibly TERR IN) of following distribution unit or terminating block. Alternatively, screw on suitable impedance terminators directly on output sockets.
- Connect F sockets marked SAT TAP (possibly TERR TAP) to input F sockets of multiswitch or other distribution unit.

The wiring examples are shown in the section 11 Wiring Diagrams or at [www.emp-centauri.eu](http://www.emp-centauri.eu).

### **6 Product Settings**

There are no special settings for these products.



### **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 and terrestrial receivers, TVs) during or before a storm. A lightning stroke into the antenna may cause dangerous overvoltage in the product metallic parts. The product should be disconnected from the wiring immediately if it gets into contact with liquids (dropping water, spilled drinks etc.).**

### **8 Product Maintenance**

**Always disconnect the product from 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
	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.