



TSP – Telephone Connecting System for Industrial Plants



Certificate: ATEX, Po



Technical Parameters:

Models	PST	I M1 EExia U II 2GExia IIBT4
	TIG	I M1EExial II 1GExia CT5
	ZITG2	I M1EExial II 2GExia IIBT4
	TPN	common model
Supply	From a telephone exchange 60 or 48 V DC	
Nominal signal level	0dBm	
Number selection	PM/DTMF	
Memory	Latest number repetition – up to 32 numbers	
	Immediate access memory – 3x16 numbers	
	Consequent access memory – 10x16 numbers	
Optical signal	Visible from big distance	
Maximum capacity between conductors	0.8uF	
Maximum inductance	7mH	
Loud conversation	Only with PST	
Participant tapping	Only with PST	
Loud message announcement	Only with PST	
Ambient temperature	-20°C - +40°C	
Protection	IP 65 for TPN, TIG, PST, ZITG	
Dimensions	275 x 140 x 90 mm	
Weight	Approximately 2.5 kg	

Use:

A TSP-type device for telephone connection in heavy industrial plants. PST, TIG, TPN and ZITG telephone devices are intended for environments with high air humidity or dropping water and high dust (coal or stone dust) in the model with the protection of IP 65, and PST, TIG and ZITG 2 type telephones intended for environments with a methane explosion hazard in two models: MI Ex ia I for deep mines and 2G Exia IIBT4 for an environment with explosion hazard in chemical plants.

Description:

The system is compiled of any telephone exchange of TIG or PST telephones and a TPN-type industrial telephone. The system is supplemented by a ZSC-type telephone line connection module located in the switchboard on the surface of a mining company for an environment with methane explosion and a galvanic separation module of a respective type.

The TIG and PST telephone cover is made of plastic compound ensuring the protection grade of IP 65. The keyboard is formed by membrane pushbuttons and also contains pushbuttons which cooperate with number memory circuits, and function pushbuttons.

Devices operate in the tone selection system. It enables them to cooperate with any telephone exchange. An excellent call indication and good audibility are guaranteed by the telephone electronics ensuring signal level regulation at changes of the line impedance, loud calling signal (above 90 dB) and optical signalling system. These features enable its use in places with a high noise level.

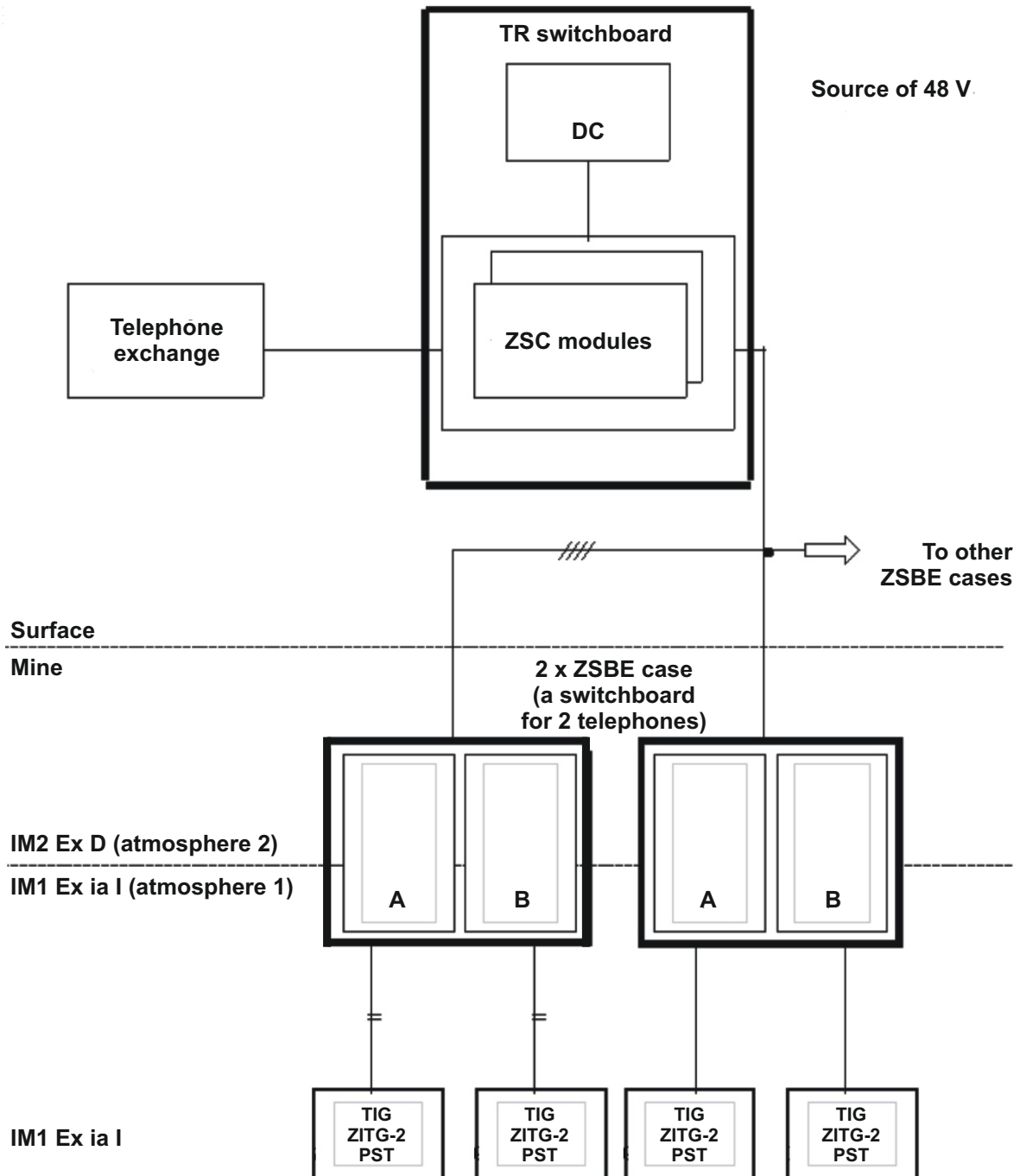
PST and ZITG2 telephones enable loud speaking, participant tapping and announcing loud messages or emergency states.

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.



TSP – Telephone Connecting System for Industrial Plants

TSP SYSTEM FLOW CHART



The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.