

# DIGITAL POSITION REMOTE INDICATOR FOR POWER TRANSFORMER CHANGERS TYPE - IPD-01

## GENERALS

IPD – 01 is used for on load tap changers of the power transformers and is used to transmit and display remote the position on which there is tap changer one.

## APPLICATION FIELD

- Electrical energy distribution network;
- Other equipments in which it is required the positioning indication for some equipments.

## OPERATION CONDITIONS

- Environment conditions: climatic zone N according to STAS 6535-83;
- Operating category: 3 according to STAS 6692-83;
- Atmosphere aggressiveness degree: normal according to STAS 7222-90;
- Relative humidity of the air at 20<sup>0</sup>C 80 % ;
- Dust and current conductor powder free environment.

## TECHNICAL CHARACTERISTICS

- Supply voltage..... 110 V/220 V , 50 Hz;
- Source power ..... 10 VA;
- Max. indicated number..... 31;
- Decoder supply voltage..... 5 V ± 2 % ;
- Coder supply voltage..... 24 V ± 20 % ;
- Receiver operating temperature..... 5<sup>0</sup> C - +40<sup>0</sup> C;
- Emitter operating temperature..... 5<sup>0</sup> C - +40<sup>0</sup> C;

## OPERATING MODE

Digital position remote indicator for power transformer changers replace the classical logometric device.

The emitter encodes the number of the plug on which the transformer is connected once in code BCD. The digital information is sent by wires to the small electronic rack (reciver). In this, code BCD is conduct over in two directions: one code with potential which is decoded for optical indicator and potential-free code for interface with the computer controlling the process.

Supply source from 220 V AC network is in electronic rack too.

At the beneficiary's request it can be delivered the supply from 110 VAC network too.