

Protection Solutions

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TPI Resistor Box

The Problem

Tap position indicator (TPI) systems which are employed to monitor on load tap changers often utilize a mV signal proportional to the tap position. To generate this signal a voltage divider is built up by connecting resistors between adjacent tap positions on the auxiliary rotary switch. A voltage is then input at one end and a transducer such as the RMS 2V200 used to monitor the voltage at the tap position switch wiper.

The typical problem encountered with this scheme involves mounting the correct value and power resistors in a suitably sealed and compact enclosure fitted with convenient and reliable terminations.

The Solution

RMS now manufactures a TPI resistor box designed specifically to interface between mV transducers and the rotary tap position switch. This device offers the advantages of compact size, de-mountable phoenix screw terminal blocks and customer resistor values and power rating. Mounting is effected by either a DIN rail or surface mount screws.

