

A RELAY FOR AUTOMATICALLY SELECTING A MONITORING RANGE

ABSTRACT

A relay for automatically selecting a monitoring range for monitoring a parameter of an input source and a method for monitoring a parameter of an input source can be provided whereby the relay comprises one or more terminals for coupling to the input source; a plurality of switchable circuits coupled to the one or more terminals; a processing module coupled to the plurality of switchable circuits for automatically selecting a monitoring range from a plurality of monitoring ranges based on a value of the parameter of the input source, each monitoring range associated with one or more of said switchable circuits; and a relay switch being configured to provide or disrupt electrical communication to a circuit, based on a trigger signal provided by the processing module. A signal conditioning module may also be provided for e.g. conditioning signals prior to selection of the monitoring range.

FIG. 7