IMPROVED INTERFACE CIRCUIT FOR USE IN MULTI-SPLIT AIR CONDITIONING SYSTEMS

ABSTRACT

An interface circuit (250-1, 250-2, 250-3, 250-4) for producing a single DC control voltage in response to any one of a plurality of different AC control voltages. The interface circuit (250-1, 250-2, 250-3, 250-4) includes a plurality of AC inputs for receiving different respective AC control voltages and a DC output. A comparator (170-1, 170-2, 170-3, 170-4) controls the voltage at the DC output in accordance with a reference voltage and a DC control voltage. An AC to DC converter includes a scaling network which generates the same DC control voltage without reference to which one of the AC inputs is receiving its respective AC control voltage.

Fig. 2.