

Abstract

The invention relates to a building control or danger warning system with a two-core
5 circular bus for voltage supply and for communication with bus users connected to the
cores of the circular bus. In order to make possible a particularly simple assembly of the
bus users, the bus users are looped-into the circular bus via FET polarity-reversal
protection bridges (BR1, BR2). A bus user circuit is located between the d.c. connection
10 terminals, connected in parallel, of the two bridges. The bus user circuit measures the
voltage conditions and their polarity at the a.c. voltage input terminals of the bridges. The
bus is relayed to the subsequent bus user in dependence upon the results.

Fig. 1

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