

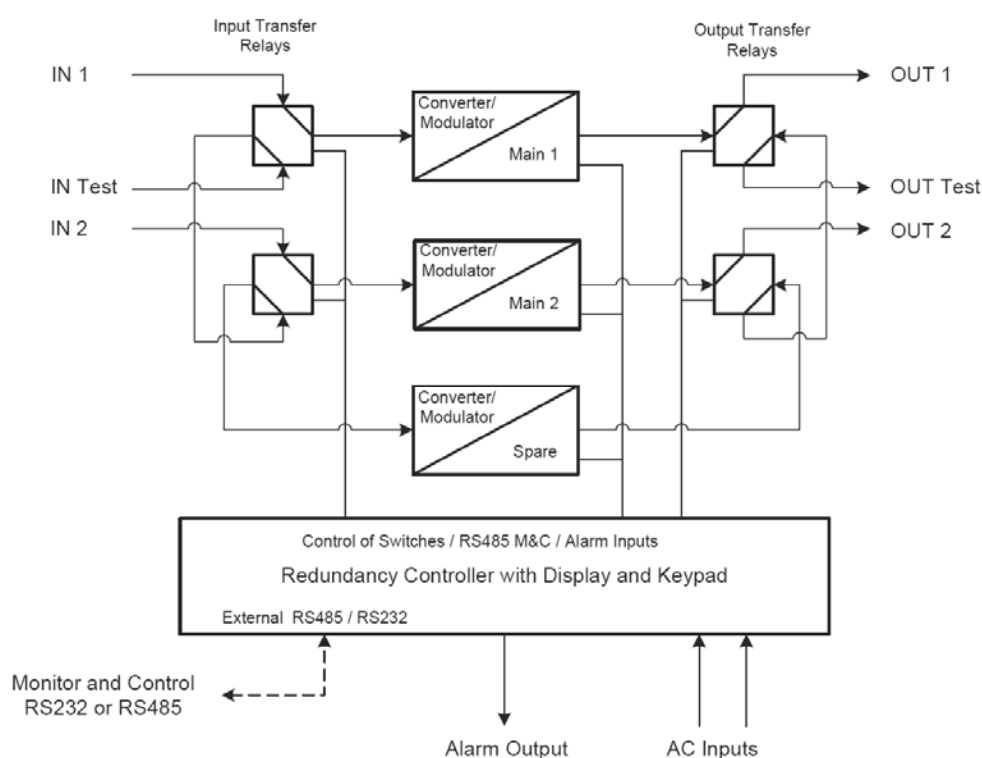
## Redundancy Switch N:1

The Redundancy Switch System N:1 can be configured for redundancy configurations with a maximum of 8 main units and one spare unit. The redundancy system can be used for upconverters, downconverters, modulators, modulator-upconverters. LNAs and even HPAs can optionally be protected. The core of the solution is a highly flexible control unit. The required coaxial transfer switches, waveguide transfer switches or signal splitters are mounted on separate panels or within an outdoor housing. On rack mount redundancy systems switching panels can be added in a highly modular way to the system if the number of required channels increases over time. Also DC power to LNAs can be provided, if required.

The system can be configured from the front panel of the controller or remotely via RS232, RS422/485 or TCP/IP over Ethernet.

The switching system can be set in automatic mode, where an automatic switchover to the spare unit is performed upon detection of an alarm from the main unit. Also a manual switchover to the spare unit and back can be initiated.

Two power supplies and two AC input connectors within the controller unit guarantee very high availability.



2:1 Redundancy Switch System