

## LGC0009F

1:1 Redundancy Logic  
for RX or TX Sub-Systems

Model Type: **LGC0009F**

The device contains necessary logic for an automatically functioning system and for interfacing with a remote monitoring and control system. It contains a microprocessor system and a power supplier to control the RF switch motors. The buttons interface is located on the front panel and the connectors on the rear panel. A microprocessor card forms the control system that assures reliability and flexibility. A "watchdog" circuit assures immediate restoration of the functioning, in case of interruptions.

- Functioning mode: local/remote – manual/automatic;
- Devices in standby mode: Standby1 or Standby2;
- Operation mode set-up with one or two switches.



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**Redundancy Logic**  
**LGC0009F**

# 1:1 Redundancy Logic for RX or TX Sub-Systems

## Interface cables

Connection to a remote control device is through cable. The cable connections have to be defined according to the pin array of J5/A and J5/B connectors and to the pin array of the remote devices. The interface is the RS 422 serial port.

## Mechanical Specification

Summary alarm:	N/O and N/C dry relay contacts via rear mounted connector
Summary alarm connector:	9-way DB type female
Primary power requirements:	230V AC $\pm$ 10%, 50Hz to 60Hz, 40VA max
Mechanical construction:	1U 19" standard rack, 350mm deep
Weight:	2 Kg
Temperature:	0°C to 50°C operating -40°C to 85°C storage
Relative humidity:	0 to 90% operating 0 to 95% storage
MTBF:	80000 h

## Technical Specification

### INTERFACE

Alarm Dry contact	NO or NC on DB9-F connector
Remote Control	RS232-RS422 on DB9-F connector
Switches Control	through 6-pin MIL Male connector

## Setting

10 dip-switches on the rear panel allow set-up of the following parameters in the device: communication protocol, alarm quantity for any chain 1 or 3 and alarm typology triggered by the devices NC or NO.

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