

MRP 249-2 Insulation Monitor Multi Repeater

GENERAL INFORMATION

The purpose of the **Insulation Monitor Multi Repeater model MRP 249-2** is to monitor the information of the insulation monitors connected to the network, so that the technical personnel can control the status of the insulation monitors of facilities for medical use, from a position of centralized control.

The signal is visual and acoustic, with the inhibition button.

The multi repeater has a real-time clock through which the date and time of the equipment is set, allowing the date and time at which a particular alarm has occurred to be stored in memory.



ALARM MONITORING

- 1** | Ground wire connection failure
- 2** | Insulation leak
- 3** | Temperature in the isolation transformer
- 4** | Isolation transformer overcurrent
- 5** | Network communication failure
- 6** | Failure locator per output line

TECHNICAL DATA

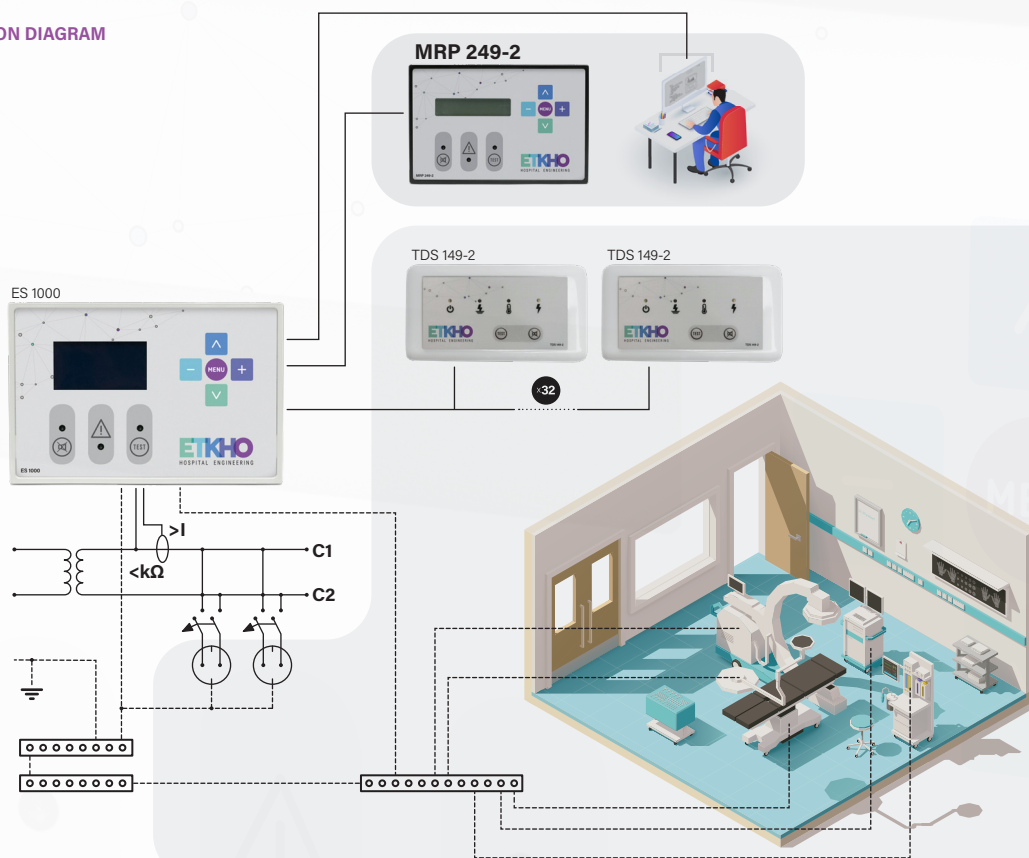
Supply voltage	250 V
Nominal network voltage (Un)	AC 85...265V
Nominal frequency	47-63 Hz
Consumption	≤ 3W

COMMUNICATION

Communication with insulation monitor network ES1000	1 RS485 output
BMS system	1 RS485 output
BMS system	1 ETHERNET output
General Alarm	1 switched relay output

MRP 249-2 Insulation Monitor Multi Repeater

CONNECTION DIAGRAM



ACCESSORIES

Temperature sensor

PT 340

COMPATIBLE EQUIPMENT

Insulation monitor	ES 1000
Alarm repeater	TDS 149-2
Line insulation failure locator	TDS 448
Current injector	TDS 449

COMMUNICATION

The multiple repeater includes an Ethernet port, with Modbus TCP/IP protocol, for communication with the BMS system.

It also has a RS485 port, for communication with the BMS system, with Modbus RTU protocol. It incorporates a second RS485 port for communication with up to 32 ES1000 monitors.

REGULATIONS

IEC 60364-7-710: 2002

