

HRI-R24 series

INSULATION MONITORING
VERSIONS FOR USE IN MEDICAL ROOMS

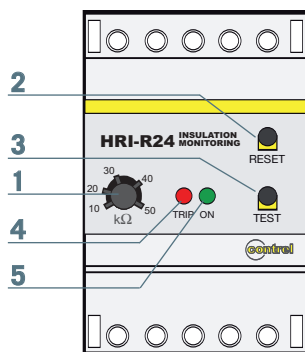
GENERAL



HRI-R24 series

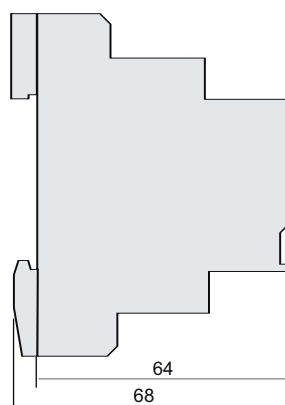
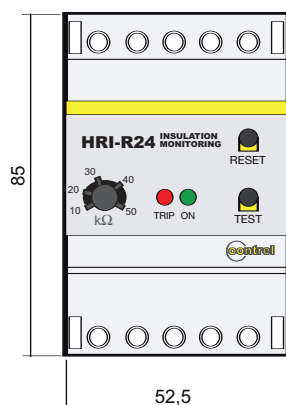
For monitoring 24 V networks (scialytic lamps), monitor HRI-R24 is used. This is able to supply insulation's control adjustable by frontal potentiometer. Frontally there is also testing button for allowing the test of device's correct functionality and eventual remote repeaters panels. Outputs are available for remote repeaters panels PR2 (max 4 panels).

FUNCTIONS AND OPERATORS - LEGENDA



- 1 Potentiometer for regulating trip threshold
- 2 Button of manual resetting
- 3 Test pushbutton
- 4 LED signalling supplied relay
- 5 LED signalling pre-fixed threshold reached

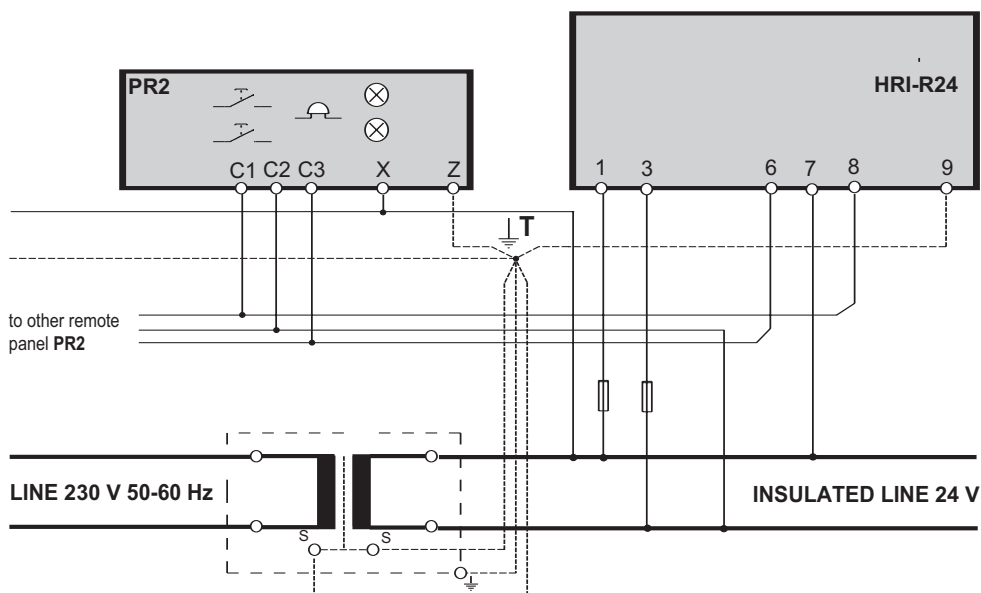
DIMENSIONS



ELECTRIC CHARACTERISTICS

TIPO	HRI-R24
Auxiliary supply	24 Vdc/ac -20 % +10 %
Frequency	50 ÷ 60 Hz
Self-consumption	3 W
Unde-control network voltage	24 Vdc/ac 50 ÷ 60 Hz
Current's measure	< 0.5 mA
Internal impedance for resistive measure	50 kohm
Internal impedance for resistive measure	10 ÷ 50 kohm (by potentiometer)
Visualisation	led of signalling network's presence led of signalling low insulation
Output	for PR2 panel (max 4)
Input	from isolated network 240 Vac/dc (insulation measure)
Voltage of signal circuit	< 24 Vdc
Measure's method	variation of polarity's potential
Insulation's test	2.5 kV 60 sec
Working temperature	-10 ÷ 60 °C
Storing temperature	-20 ÷ 80 °C
Relative humidity	MAX 90 %
Standard regulation	CEI-EN 61010-1 / CEI-EN 61557-8 / VDE 0413 part.8 CEI 64.8/7-710 V2 / IEC 60364-7-710 / UNE 20615 / CEI-EN 61326-1
Assembling according to DIN 50022	snap on DIN rail 35 mm
Dimensions	3 modules DIN 17.5 mm
Protection's degree	IP50 frontal - IP20 case
Connections	by screw terminals max 2.5 mm ²

WIRING DIAGRAMS - LEGENDA



AUXILIARY SUPPLY
terminals 1-3

INSULATION'S MONITORING
terminal 7-9

CONNECTIONS FOR
REMOTE PANELS PR2
(low insulation's signalling)
terminals 6-8