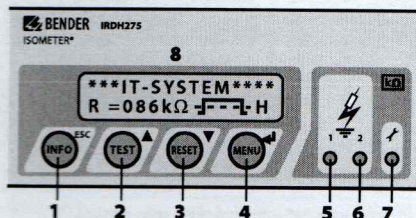


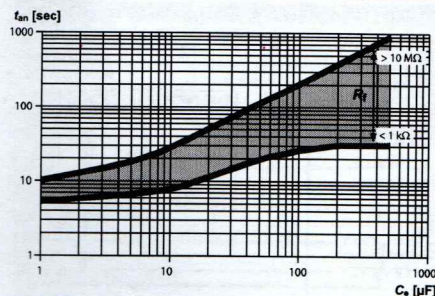
AC/DC

Operating elements IRDH275



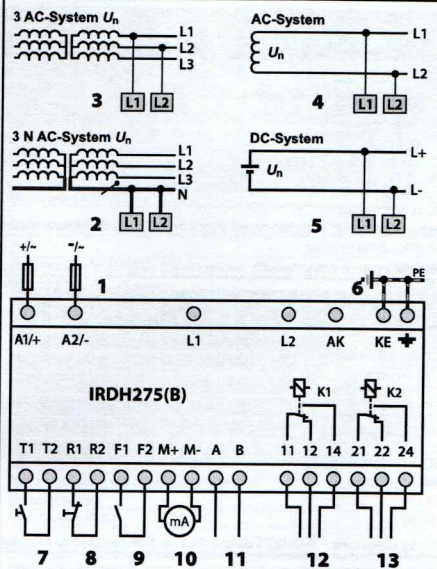
- 1 - "INFO" button: to query standard information
ESC button: back to the menu function
- 2 - "TEST" button: to call up the self test
Arrow up button: Parameter changes, scroll
- 3 - "RESET" button: to delete alarm and fault messages
Arrow down button: Parameter change, scroll.
- 4 - "MENU" button: to activate the menu system
Enter button: to confirm parameter changes
- 5 - Alarm LED "1" lights: insulation fault, 1st warning level reached
- 6 - Alarm LED "2" lights: insulation fault, 2nd warning level reached
- 7 - LED lights: system fault
- 8 - LC display

Response times



ISOMETER® response times in relation to the system leakage capacitances: $C_e = 1 \dots 500 \mu\text{F}$, $U_n = 0 \dots 793 \text{ V}/50 \text{ Hz}$

Wiring diagram



- 1 - Supply voltage U_s (see ordering information) via 6 A fuse; for UL and CSA applications, it is mandatory to use 5 A fuses.
- 2,3 - Connection to the 3AC system being monitored: Connect the terminals L1, L2 to neutral conductor N or terminals L1, L2 to conductor L1, L2.
- 4 - Connection to the AC system to be monitored: Connect terminals L1, L2 to conductor L1, L2.
- 5 - Connection of the DC systems being monitored: Connect terminal L1 to conductor L+, terminal L2 to conductor L-.
- 6 - Separate connection of the equipotential bonding conductor to PE and KE
- *7 - External test button "T1/T2" (N/O contact)
- *8 - External reset button "R1/R2" (N/C contact or wire jumper)
When the terminals are open, the fault message will not be stored, provided that the memory has not been activated via the operating menu.
- *9 - STANDBY by means of the function input "F1, F2": with the contact in closed position no insulation measurement takes place (Isometer disconnection B version only/no disconnection when operated via AK).
- 10 - IRDH275: Current output, electrically isolated: $0 \dots 400 \mu\text{A}$
IRDH275B: Current output, electrically isolated: $0 \dots 20 \text{ mA}$ or $4 \dots 20 \text{ mA}$
- 11 - RS-485 interface
- 12 - Alarm relay: Alarm 1
- 13 - Alarm relay: Alarm 2/system

* The terminal pairs 7, 8 and 9 must be wired galvanically isolate and must not have a connection to PE!