

## DUAL LEVEL VOLTAGE RELAYS

**UB1/2 - UB1/227 - UB1/259**  
**UB3/2 - UB3/227 - UB3/259**  
**UBC/2 - UBC/280 - UBC/245**



**CAT. B2-91**

12-01-99

### GENERAL CHARACTERISTICS

Nine versions, all with adjustable definite time trip delay, are available:

- **UB1/2** functions:  $V<(27) + V>(59)$  - single-phase
- **UB3/2** functions:  $V<(27) + V>(59)$  - three-phase
- **UBC/2** functions:  $V<(80) + V>(45)$  - DC
- **UB1/227** functions:  $V<(27)$  dual level - single-phase
- **UB3/227** functions:  $V<(27)$  dual level - three-phase
- **UBC/280** functions:  $V<(80)$  dual level - DC
- **UB1/259** functions:  $V>(59)$  dual level - single-phase
- **UB3/259** functions:  $V>(59)$  dual level - three-phase
- **UBC/245** functions:  $V>(45)$  dual level - DC

On request, all versions are fitted with time start outputs on both the functions.

### SETTINGS

Settings are made on front face by means of four 4-poles DIP-SWITCH that allow to obtain a wide and accurate setting range of the trip level as well as of the trip time delay.

### SIGNALIZATIONS

- 1 Green led for signalization of auxiliary power supply presence and relay regular operation.
- 1 Red led for first level trip signalization.
- 1 Yellow led for second level trip signalization.

### COMMANDS

- Test spring lever switch: when operated it simulates a voltage beyond the trip level and allows the complete functional check of the relay. In one position the test function does not operate the output relays; in the other it also operates the output relays.
- Output relays reset after trip can be:
  - manual by reset push button on front face
  - manual by remote push button connected to the relevant terminals provided on the relay
  - automatic by connecting a bridge on remote reset terminals.

The trip memory LED can be reset only by the front face reset push button.

### OUTPUT RELAYS

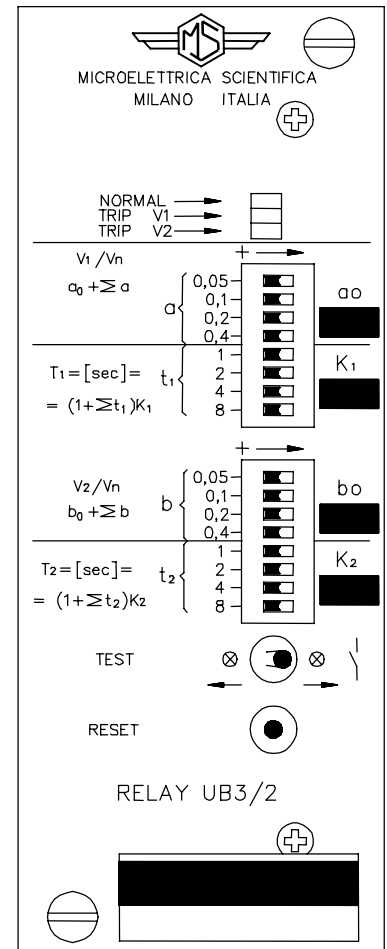
The following output relays are provided:

- 2 trip relays, one for each function, each with 1 Change-over contact (contacts can be 2 Change-over when time start relays are not provided).
- 2 time start signalling relays (provided on request), one for each function, each with 1 Change-over contact

The trip output relays are normally deenergized (energized on trip).

On request they can be normally energized (deenergized on trip).

The time start signalling relays are always in the normally deenergized versions.



### ORDERING DATA

- Relay type
- Rated Input Voltage
- Auxiliary Power Supply
- Setting Ranges
- Output Relays Configuration
- Execution
- Options on request

