

ITB 07 ALARM ANNUNCIATOR + ALARM RELAY



ITB 07 As its name implies, alarm relays are used in medium voltage modular cells and medium voltage panels as a combination of alarm indicator and alarm relay. By moving the Test, Signal Reset and Horn Silence buttons, which were previously used externally, onto the device itself, the aim was both to save space and to save labor and material.

Operation:

The relay has six alarm inputs. When an alarm arrives at one of the fault inputs, the corresponding LED on the front panel lights up. At the same time the horn relay and the trip relay are energized. If the fault at the input is continuous, the corresponding LED flashes. Even if the fault signal ceases, the corresponding LED stays lit (until it is reset).

To clear the alarms (if the fault is not continuous), pressing the Signal Reset button is enough. If the fault is continuous, the LED of the input whose fault persists stays on even if Signal Reset is pressed.

The horn is then silenced by pressing the Horn Silence button. The Test button is used to test the lamps. There is a six-way switch on the back of the device. This switch is used to decide which alarm will energize the trip relay.

The most important feature that sets the device apart from other devices is that it needs no remote control cable and no RF remote control. Thanks to the breaker trip and close outputs, a trip and close command can be given for the desired duration. (This feature is not available in the system with SCADA contacts.)

Technical specifications:

Operating voltage : 24 VDC, 48 VDC, 110 VDC

Voltage tolerance : 0.8-1.2 Un

Number of output contacts : 6 alarms + horn relay + trip auxiliary relay.

Output contact current : 110 VDC 3 A. 24 VDC: 5 A. AC (at $\cos\phi = 1$)

Operating temperature : -5 , +55 °C