

General description:

Compact unit in the 96 x 96 mm switch panel format for operating and fault messages in control and monitoring systems.

Faults are displayed by red LEDs on the front panel, operations are displayed by green LEDs. (Optional colours can be supplied).

Operating displays are triggered by contact inputs and have a mere display function. In addition, fault messages entail an internal, automatically interlocking alarm circuit (relay k1).

The 'reset' - button releasing the alarm locking situation is mounted on the front panel, together with a lamp-test button. One further optional button can be provided.

The legend film is behind the front film and can be accessed following the removal of the front frame. Legends can either be produced by the supplier according to instructions, or by the user on a laser printer or copier.

Types (Examples):

821 0016a	16 operation displays
821 0808a	8 malfunction warnings, 8 operation displays
821 1006a	10 malfunction warnings, 6 operation displays
821 1600a	16 malfunction warnings
...e	Option first- value message

Additional devices:

Type addition "i."	all malfunction indication inputs with inverted function for message chains
Type addition ".z"	all malfunction indication inputs with 5 sec time delay
821 9s	Interface

Functions:

Operating displays have a mere display function. Their display is by green LEDs (optional colours can be supplied).

Fault messages are grouped as a multi-input fault warning message by relay k1. When a fault has occurred on one of these inputs, the collective relay is switched off, the attendant red LED flashes. Once the *Reset button* on the front is actuated, the fault warning LED has steady light now. *Following* the remedy of the malfunction, the fault warning LED extinguishes and the collective relay is switched on again automatically.

Normal logic: In the event of further faults occurring in addition to existing faults, the LEDs of all faults that have already been acknowledged will have steady light, whilst the LEDs of the messages that have not yet been acknowledged will flash. The collective relay is switched on for a short time (about 2 sec.) additionally.

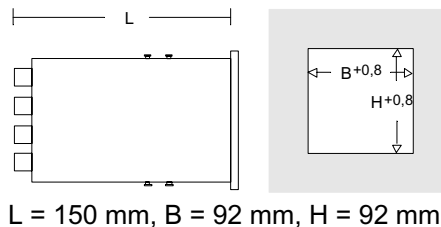
Option "first-value message" (type add-on ...e): In the event of a further fault occurring in addition to an existing, not yet acknowledged fault, the LED of the new fault message will have steady light, whilst the LED of the first fault message will continue to flash.

The button "LED test" is intended for a light diode function check.

Technical data:

Operating- and fault- Display Inputs : 230 V, 48...62 Hz
Input current : 2 mA
Supply voltage : 230 V, approx. 3.5 VA
Relay outputs : potential free change-over contacts for max.230 V / 2 A
Type of protection acc. DIN 40050 : IP 54 (terminals IP 20)
Permissible ambient temperature : 0...60°C, nominal temperature: 20°C
Service position : optional
Permissible relative humidity : 75 % average annual value (group F DIN 40040), without dew formation

Installation dimensions:



Connecting diagram:

(Example: 821 0808a, depending on sub type there may be some additional details or some details are missing ; valid for each version is the wiring diagram on its casing only.)

