

Alarm Logic Module

ALM type

Application

ALM is used in measurement systems where logic 2 of 3 (for three measurement systems) or logic 2 of 2 (for two measurement systems) is selected to automatically switch off the machine when preset limit values are exceeded.

Description

Module have three inputs for binary signals from three measuring circuits and three inputs for binary signals of malfunction state of those circuits. Programmed on the base of AND and OR logic. The algorithm leading to the generation of output trip signal takes into account both the input states of limit value exceeding and the input states of measuring circuits OK state. On the front plate are situated the LEDs informing of module relay output state, of module inputs states associated with limit value exceeding and of measuring circuits OK status. Additionally on the front plate a special key is situated to block the output relay action what is signalled by BPS (bypass) lighting diode.

Module setting possibilities:

- voting logic choice between „2 of 3” or „2 of 2”
- output binary OC signal time delay: without delay or 1s, 2s, 3s, 4s, 5s .

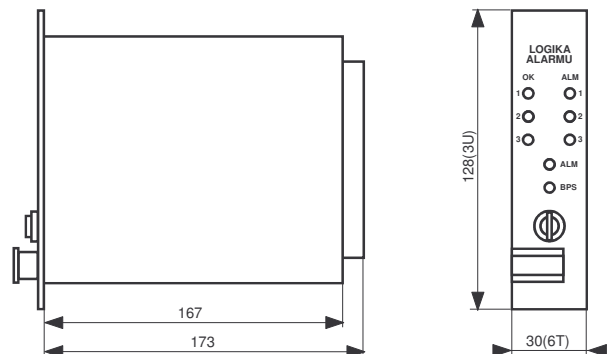
Performances

Inputs:

- Three binary OC(open collector) from limit value exceeding in measuring circuits cooperating with alarm logic module, three red LEDs on front plate associated with input states
- Three binary OC informing of measuring circuits malfunction state, three green LEDs on front plate associated with input states

Outputs:

- one binary OC to machine trip system associated with one red LED on front plate
- one binary of OC type informing of malfunction of any of measuring circuits cooperating with ALM module
- red LED BPS informing of blocked trip output by key switch



ELECTRICAL

Power consumption: <1W

ENVIRONMENTAL

Operating temperature: 0°C to +65°C

Humidity: 95% without condensation

MECHANICAL

Weight: 150g

Housing material: aluminum front plate

Dimensions (h x w x d): 128x30x167xmm

Rack space requirements: 3U/6Tx160

Protection : IP00

Ordering information:

ALM

