

## Signalling device SO-Ad2



### Product description

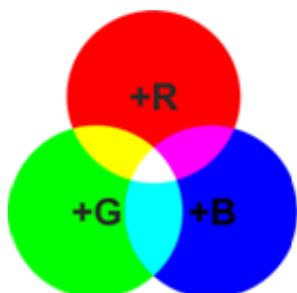
The signalling device has got the casing made of non-flammable plastic ABS, in which there are electronic components. In the top part of the casing there is the light source - LED RGB diode. Signalling devices of SO-Ad2 series have got in their cover: a supply terminal, a control terminal as well as a four-level microswitch, by means of which it is possible to choose duty cycle as well as frequency of signaling device flashes.

### Technical data

Supply voltage	10-30V DC
Current consumption at supply voltage 24V DC	<220mA
Power consumption	<5,28W
Dimensions	Ø115 x 90
Weight	~190g
Range of working temperatures	-25 °C ÷ 55 °C
Type of operation environment	Type A
Ingress Protection	IP54
Flash duty cycle	25% or 50%
Flash frequency	0.5 - 10Hz

## Construction

The additional element of the casing is the socket enabling to direct mounting of the signaling device to the ceiling or wall by means of two screws and wall plugs. The signalling device SO-Ad2 is an optical alarm device, which enables optical signal generation of seven colours. The colour of generated signal is dependent on the supply input state of the signaling device. According to the principle of mixing colours R, G, B, through appropriate control of inputs the user receives colours consistent with the drawing below.



Through appropriate connecting of control signals, the user can receive the effect of pulsed light, fixed light as well as the light of reduced intensity. The frequency of pulsed optical signal can be included in the range from 0.5Hz to 10Hz. The next parameter, which can be established by the user, is the optical signal duty cycle. The duty cycle can come to 25% or 50%.

The signalling device is activated through connecting the supply voltage to supply inputs controlling the colour components. The optical signal received in this method is "mixed" digitally in order to receive appropriate colour proportions, what causes receiving the clear colour. Depending on the number of active inputs, the user receives the colour of warning signal.

## Connection diagram

