

ASU-50 Alarm Slave Unit



The ASU-50 Alarm Slave Unit is intended for strong optical and acoustic alarm indication of pre-set threshold limits exceeding. It connects smart detector, monitor, local display unit or host monitoring system.

Purpose

The ASU-50 alarm slave unit is intended for strong optical and acoustic alarm signalling when the thresholds limits of the parameters measured have been exceeded. It is used in appliances as are:

- centralized radiation control monitoring system
- autonomous monitor
- display system
- other autonomous appliances, such as an irradiator

The ASU-50 unit needs to be connected to the host control system.

Description

The ASU-50 is an alarm slave unit which is provided with strong optical and acoustic outputs. The three following optic indicators are used: green (Safe), yellow (Alert) and (flashing) red (Alarm) lights of diameter 50 mm (2 in). A siren with variable volume is connected to provide acoustic warning.

The internal control electronics allows the required alarm signalling mode of the unit to be adjusted using internal DIP switches (steady/dashed signal; optical only or acoustic as well; time settings; usage of exclusion logic, the way of alarm withdrawal).

The system is provided with a TEST push-button for starting all optical indicators (until this button is released again), which allows the check of proper function. An ACK push button acknowledges an alarm and, depending on adjusted parameters, e.g. stops the acoustic signal for a predefined period.

Main Advantages

- Strong acoustic and optical signals
- Connects directly to detection device
- Long lifespan
- The function and features can easily be configured using internal DIP switches
- Possibility of both positive and negative control signal polarity (switch contacts to positive or negative pole)

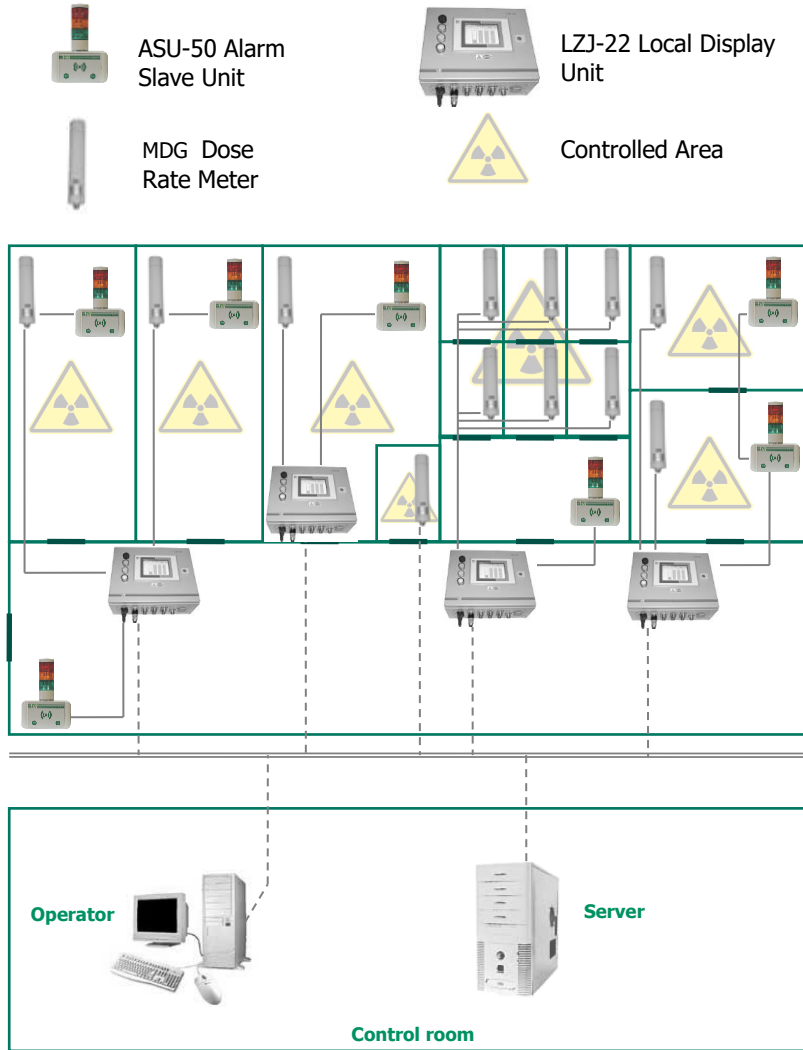
Specification

Optical signalling	3 x Ø 50 mm (2 in)
Acoustic siren output	1 tone
Power supply	12 or 24 V DC
Power input	max. 3 W
Input	digital optocoupler, 24V DC
Output	SSR, max. 26 V DC
Electric protection	IP 54
Dimensions (W x H x D)	160 x 230 x 50 mm (6¼ x 9 x 2 in)
Weight	app. 0.5 kg (1.1 lb)
Ambient temperature	-5 ~ +55 °C (+23 ~ 131 °F)
Ambient humidity	max. 80%
Ambient air pressure	86 ~ 106 kPa

Description

The unit consists of a plastic box; inside there are electronics, a terminal plate, and acoustic module. Three cylindrical signalling indicators (beacon lights) are fixed on the top of the plastic box. The TEST and ACK membrane push-buttons are located on the box front.

Application example – scheme:



Models and Accessories

Type	Description
K0832	ASU-50 Alarm Slave Unit with strong acoustic signal and three optical signal lights (red / yellow /green)
Optional Accessories	
	<ul style="list-style-type: none"> Distance plastic frame (for fixing on the wall)
Related products	
N/A	MDG-0X series, Dose Rate Meter (types varies by measuring range)
K0917	MDN-01 Neutron Dose Rate Meter
K0743	LZJ-22 Local Display Unit
N/A	RMS Radiation Monitoring System



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