

AS1111

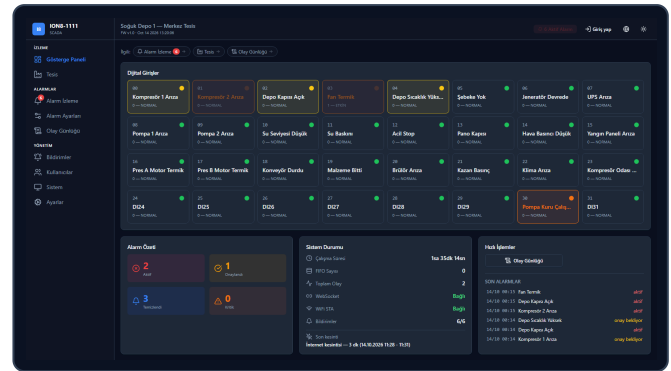
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Panel-mounted fault alerting and alarm notification device · 32 digital inputs



Product description

Alert SCADA AS1111 is a panel-mounted fault alerting and alarm notification device. It monitors the contact signals in your control panel around the clock; when a signal goes into alarm it notifies the assigned people by Telegram and e-mail, waits for acknowledgement, escalates unacknowledged alarms to the next level and logs every event with date and time. With 32 digital inputs it is designed for sites that want to monitor many signals in a single box.



Dashboard (computer): each input is a named card; alarm summary, recent alarms and system status on one page (Turkish interface, example names).

The device works on its own: no server, cloud service or subscription is required, and the internet is used only for notifications and time synchronisation. AS1111 does not replace your existing SCADA system; it runs alongside it and takes its signals directly from the panel.

32 inputs, 1 ms scan

Per-input signal filtering; normally open and normally closed contacts, wire-break detection (inverted logic).

Alerts, acknowledgement, escalation

Telegram, e-mail and webhook. An unacknowledged alarm escalates through up to 4 steps.

Two separate processors

One only monitors the signals, the other runs the panel and notifications. A network problem does not stop monitoring.

Logging and battery-backed clock

Event log, audit trail, power and internet outages. The clock is kept during a power failure.

Site view

All Alert SCADA devices on the same network and their alarms on one screen; another device's alarm can be acknowledged here.

Your data stays on site

No cloud, no subscription. Outgoing connections only; no port forwarding or remote access needed.

Technical data

Power supply

Parameter	Value
Supply voltage	24 V DC nominal, operating range 15–30 V DC; UPS-backed supply recommended
Power failure	The device does not operate. When power returns, a "Device restarted" notification gives the outage duration; inputs that went into alarm meanwhile alarm at start-up. Settings and logs are retained

Inputs and outputs

Parameter	Value
Digital inputs	32 (DI00–DI31), four blocks of 8 (slots A–D)
Input type	PNP, 24 V DC; at least 15 V for logic 1
Isolation	Optically isolated, 2500 V
Connectable signals	Dry contact, relay contact, switch, PNP-output sensor
Contact type	Normally open (NO) and normally closed (NC); inverted logic for NC (a broken wire also raises an alarm)
Scan / filtering	1 ms / 0–10 000 ms per input
Triggering	Rising edge · Falling edge · Both edges · Disabled
Outputs, analog I/O	None

Alarms and notifications

Parameter	Value
Severity levels	4: Info · Warning · Alarm · Critical
Alarm options	Latching alarm, auto-acknowledge, log only, inverted logic; optional "returned to normal" and "acknowledged" notifications
Acknowledgement	Role authorised to acknowledge, set per input
Escalation	Up to 4 steps (including the first notification); up to 4 roles + 4 people per step; times set in minutes
Channels	Telegram · E-mail (SSL, port 465) · Webhook (HTTP/HTTPS POST, JSON) · web panel
Account	Manufacturer account ready with the device; no separate account or subscription needed
Message content	Severity, device name and location, input name and number, state text, time, event no.
Per person	Channel selection, minimum severity, working hours
Batching / retry	Alarms within a few seconds go out in one message / failed deliveries retried 0–5 times per person and channel
Repeat limit	At most N alarms per minute per severity (0 = unlimited); default 3 / 3 / 3 / Critical unlimited
System notifications	Restart (with outage duration), internal link and SD card problems, internet outage summary

Parameter	Value
Internet outage	Monitoring and logging continue; notifications are held and sent with a "... min delayed" note when the connection returns. Those older than 30 minutes are not sent and stay in the event log

Web panel and users

Parameter	Value
Access	From a browser (phone, tablet, computer); no app to install. Turkish / English; light / dark theme; live updates
Permissions	Acknowledge, silence, configure, add users (per role)
PIN	4–6 digits per person, stored irreversibly; 5-min lockout after 5 wrong attempts; session ends after 30 min of inactivity
First setup	Only via the device's own WiFi; 7-step setup wizard; device-specific 12-character recovery code

Network, communication and integration

Parameter	Value
WiFi	2.4 GHz, 802.11 b/g/n; joins the site network and opens its own access point for setup and service. No 5 GHz, Ethernet or cellular
IP address	Automatic (default) or static; a DHCP reservation is recommended
Outgoing traffic	Outgoing only: HTTPS 443, SMTPS 465, NTP UDP 123, DNS 53. No incoming connections or port forwarding required
Site view	Alert SCADA devices on the same network on one screen; remote acknowledgement; packets signed with the site password (UDP 48230); no internet required
Panel security	The panel runs over HTTP: use it only on a trusted site network, never exposed to the internet; use a VPN for remote access
Webhook	HTTP/HTTPS POST at the moment of the event, UTF-8 JSON; optional HMAC-SHA256 signature; 10 s timeout; 0–5 retries
REST API	Status, alarms, events, outages, device and rule information (GET, JSON); at most every 2 s, preferably 5–10 s. Read only: settings and acknowledgement need a PIN-protected panel session

Logging, clock and maintenance

Parameter	Value
Event log	Input changes, alarms, acknowledgements, silencing, logins, settings changes; date, time, person; acknowledged by, response time, alarm duration
Outage log and report	Power and internet outages with durations; optional periodic report (hourly ... weekly) with a "system running" message if there was no outage
Storage	Internal microSD (not user-removable); settings in internal flash memory
Clock	Battery-backed real-time clock, synchronised from the internet. The start and end of a power failure are logged correctly even without internet
Settings backup	Single <code>.json</code> file; restore section by section to the same or a new device; PINs are never included
Firmware update	By authorised service over WiFi; manufacturer-signed package, automatic verification; falls back to the previous version on a problem; settings retained

Capacities

Parameter	Value	Parameter	Value
Digital inputs	32	People / roles	32 / 16
Alarm rules	32 (1 per input)	Escalation	4 steps × (4 roles + 4 people)
Severity levels	4	Outage / start-up history	Last 32 / last 16

Mechanical, front panel and warranty

Parameter	Value
Mounting	Inside the panel, screwed to a flat surface; 4 × Ø3.8 mm holes, hole centres 80.4 × 104.1 mm
Dimensions	115 × 114 × 45 mm (excluding mounting ears and connectors)
Terminals	Pluggable, screw type; 5.08 mm pitch; conductor cross-section 0.2–2.5 mm²
Enclosure	For mounting inside a panel; partial protection against dust
Front panel	4 status LEDs: green device healthy · yellow site WiFi connected · yellow SD card working · red critical error. 3 buttons: middle 10 s = restart (settings retained); both side buttons 10 s, then middle 3 times = full factory reset (two-step)
Warranty	24 months from the invoice date, against defects in materials and workmanship. Every device is tested in production and registered by serial number. Opening the housing voids the warranty

Connection overview and ordering information

Signal and power connections are made on pluggable terminals; the terminal blocks run A → B → C → D from left to right and the inputs are numbered DI00–DI31 in the panel. Terminal assignment and wiring examples: **AS1111**

Installation Guide.

Slot A	Slot B	Slot C	Slot D	Power
8 digital inputs	8 digital inputs	8 digital inputs	8 digital inputs	24 V DC (15–30 V DC)

Order code: AS1111 — Alert SCADA fault alerting and alarm notification device, 32 digital inputs. The four digits of the model code show the four module slots (A, B, C, D): **1** = 8 digital inputs, **2** = 8 digital outputs, **3** = 4 analog inputs, **4** = 4 analog outputs. In the same family: **AS1122** (16 digital inputs + 16 digital outputs). Related documents: AS1111 Installation Guide, AS1111 User Manual.

Safety note

Alert SCADA is a fault alerting device. **It does not replace fire detection, gas detection, life-safety or legally required alarm systems** and does not hold the certifications of such systems. Delivery of notifications depends on power, internet and third-party services; a UPS and backup communication are recommended for critical sites. Mounting and electrical connection must be carried out by qualified personnel with the power switched off.

Contact

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