

AS1122

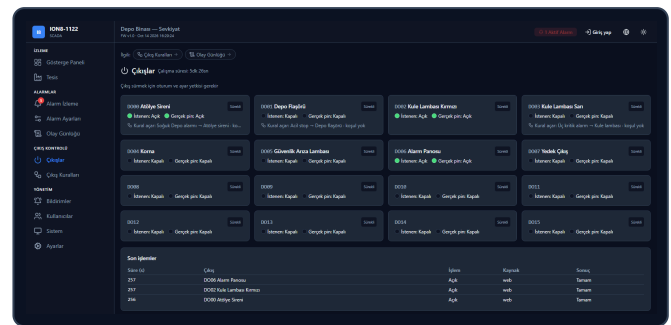
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Panel-mounted alarm and local automation device · 16 digital inputs + 16 digital outputs



Product description

Alert SCADA AS1122 is a panel-mounted alarm and local automation device. It monitors your panel signals around the clock, notifies the assigned people by Telegram and e-mail, runs the acknowledgement chain and drives sirens, beacons, signal towers and horns itself, using IF ... THEN rules set up without programming. With 16 digital inputs and 16 digital outputs it is for sites that want an automatic on-site response as well as monitoring.



Outputs screen: each output by name, its actual state, the rule that switched it on (Turkish interface, example names).

The device works on its own: no server, cloud service or subscription is required. AS1122 does not replace your existing SCADA system; it runs alongside it.

16 inputs + 16 outputs

1 ms scan, per-input signal filtering; 100 mA per output, continuous or pulse mode.

Rules without programming

Up to 16 rules; 8 conditions and 4 outputs per rule. Ready-made templates, silencing rules.

Device-to-device response

An alarm on another Alert SCADA device drives this device's output; if contact is lost the condition falls to the safe side.

Safe output design

Outputs are released at start-up, during firmware updates and on internal link loss.

Alerts, acknowledgement, escalation

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

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	24 V DC nominal, operating range 15–30 V DC; UPS-backed supply recommended
Power failure	The device does not operate; digital outputs switch off. When power returns, a "Device restarted" notification is sent; inputs that went into alarm meanwhile alarm at start-up. Settings and logs retained

Digital inputs

Parameter	Value
Digital inputs	16 (DI00–DI15), two blocks of 8 (slots A, B); no analog inputs or outputs
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, push button), 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 on rising, falling or both edges

Digital outputs

Parameter	Value
Digital outputs	16 (DO00–DO15), two blocks of 8 (slots C, D)
Output type	Sourcing (PNP) transistor output; overcurrent and overtemperature protected
Current / voltage	Max. 100 mA per output / output voltage follows the supply voltage
Use	Warning and signalling: sirens, beacons, signal towers, horns, relay coils. Loads above 100 mA via an interposing relay or contactor
Output modes	Continuous (with a maximum on-time) or pulse; pulse rate limit (default 3 per 600 s)
Safe state	All outputs start off at power-up; released during firmware updates and on internal link loss; optional "hold" per channel
Monitoring, control	Output read-back, module fault detection. On / off from the panel (authorised role); every command logged with who and when

Output rules (IF ... THEN)

Parameter	Value
Rules and structure	Up to 16 rules; per rule up to 8 conditions, 4 OR groups, 4 outputs and 4 other devices; delay 0–3600 s
Priority	"KEEP OFF" (silencing) rules take priority, e.g. "no siren during maintenance"
Templates	Unacknowledged alarm → siren · Critical alarm → output · Input → output · Another device's alarm → output
Device to device	Another device's alarm as a condition; if the remote device is not heard for 6 s, the condition falls to the safe side
Internet outage	Rules keep running; communication between devices on the same network continues without internet

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

Parameter	Value
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. Manufacturer notification account ready; no subscription needed
Per person	Channel selection, minimum severity, working hours
Batching / retry	Alarms within a few seconds in one message / failed deliveries retried 0–5 times per person and channel
Internet outage	Monitoring, logging and output rules 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, users and network

Parameter	Value
Access	From a browser (phone, tablet, computer); no app to install. Turkish / English; light / dark theme; live updates
Permissions	Acknowledge, silence, configure (including driving outputs), 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; setup wizard; device-specific recovery code
WiFi	2.4 GHz; joins the site network and opens its own access point for setup and service. No 5 GHz, Ethernet or cellular
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; 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
Integration	Webhook (HTTP/HTTPS POST, JSON, at the moment of the event) and REST read endpoints (status, alarms, events, outputs, rules). Read only: outputs and settings need a PIN-protected panel session

Logging, clock and maintenance

Parameter	Value
Event log	Input changes, alarms, acknowledgements, output commands, logins, settings changes; date, time, person
Outage log	Power and internet outages with durations; optional periodic "system running" report
Clock	Synchronised from the internet; no battery-backed clock. After a power failure the time is corrected once the internet connection returns
Settings backup	Single .json file; restore section by section to the same or a new device; PINs are never included
Firmware update	By authorised service; manufacturer-signed package, automatic verification; outputs are released during the update; settings retained

Capacities

Parameter	Value	Parameter	Value
Digital inputs / outputs	16 / 16	People / roles	32 / 16
Output rules	16	Escalation	4 steps × (4 roles + 4 people)
Conditions / outputs per rule	8 / 4	Severity levels	4

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; middle button 10 s: restart (settings retained)
Warranty	24 months from the invoice date, against defects in materials and workmanship. Every device is tested in production and registered by serial number

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. Terminal assignment and wiring examples: **AS1122 Installation Guide**.

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

Order code: AS1122 — Alert SCADA alarm and local automation device, 16 digital inputs + 16 digital outputs. 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: **AS1111** (32 digital inputs). Related documents: AS1122 Installation Guide, AS1122 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. **AS1122 outputs are for warning and signalling only; they are not a safety relay, emergency stop or machine safety circuit.** The outputs are released on power failure and on an internal device fault. Selection, protection and safe operation of the connected equipment are the user's responsibility. Delivery of notifications depends on power, internet and third-party services. Mounting and electrical connection must be carried out by qualified personnel with the power switched off.

Contact

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