

JDM11-6SL

6-Digit Intelligent Preset Counter (智能计数器)

The JDM11-6SL is a panel-mount digital preset counter with a 6-digit LED display and dual relay outputs. Unlike a plain totalizer, it counts toward a user-set target and switches its relay outputs (J1 / J2) when the preset value is reached — suited to batch counting, cut-to-length, filling, packaging and stop / alarm control. It accepts dry-contact, NPN sensor or voltage-pulse inputs and retains its count after power loss via non-volatile memory.



General Specifications

Model	JDM11-6SL
Type	Intelligent preset counter, panel mount
Display	6-digit red LED, 7-segment (0.38 in / ~9.6 mm digit height)
Counting range	0 – 999,999
Count mode	Add (up) counting toward user-set preset
Counting / response speed	Typ. 10–30 counts per second (frequency build to ~1–2 kHz on selected versions)
Memory	Non-volatile (EEPROM); count retained ~10 years without power
Reset	Front-panel push button + external reset terminal

Electrical

Supply voltage (rated)	AC 110 V or AC 220 V; or DC 24 V or DC 12 V (selectable build — this unit marked AC 110 / 220 V)
Operating voltage range	Approx. 85% – 110% of rated voltage
Power consumption	Low (\leq ~1–3 VA typical)
Sensor supply output	+DC 12 V terminal provided to power an external sensor
Outputs	2 × relay (J1, J2) preset/stage outputs + 1 × open-collector (OC) output
Input types accepted	Dry (no-voltage) contact; NPN proximity / photoelectric sensor; voltage pulse
Dielectric strength	~2000 VAC, 50/60 Hz, 1 min (terminal groups)

Mechanical & Environmental

Mounting	DIN panel cut-out, secured with screws/clips
Housing	Flame-retardant ABS plastic
Front bezel size	~72 × 72 mm front face class (72×72 DIN panel format)
Panel cut-out	Approx. 68 × 68 mm
Behind-panel depth	Approx. 100 – 110 mm incl. terminal block (estimate — confirm against unit)
Net weight	Approx. 200 – 250 g (estimate — confirm against unit)
Terminals	14-position screw terminal block (rear)
Operating temperature	–10 °C to +40 °C, non-condensing

Terminal Layout (per unit label)

The rear label carries a 14-terminal block in two rows (top 1–7, bottom 8–14). Markings visible on the unit include **+DC12V** (sensor supply), **J1** and **J2** (relay outputs), **OC** 输出 (open-collector output) and 电源输入 (power input). Exact pin functions vary slightly between production batches — always wire to the diagram printed on the individual unit, not to a generic sheet.

Typical Applications

Production / batch counting • packaging and filling lines • cut-to-length and length metering • rotation / cycle counting • preset stop and alarm control with sensors (photoelectric, proximity, reed, micro and magnetic switches).

Dimensions and weight for the 72×72 preset/relay variant are series-representative estimates and should be verified against the physical unit before panel design or shipping calculations. Specifications are compiled from the unit's own label/wiring diagram and from published data for the JDM11 series; figures marked "typical" or "estimate" should be confirmed against the manufacturer's manual before critical or rated-load use. This datasheet is provided for reference and product-listing purposes.