ETM-IS31-001

Intrinsically Safe Electronic Timer Battery Pack

EXPO ETM-IS31-001 is an intrinsically safe battery pack used with specified electronic timer arrangements in Expo purge systems.

Replaceable boundary

The battery pack connects to the existing electronic timer

Inspection focus

Match the pack marking, timer revision and equipment variant

Service sequence

Controlled access, pack exchange and renewed commissioning

Fault isolation

If timing still fails, continue diagnosis beyond the battery pack

Verified technical data

Component type	Intrinsically safe timer battery pack
Ex Print variants	PR-1xE-A and PR-1xE-G only
D818 maintenance interval	Replace battery at least every 3 years
Post-replacement action	Repeat commissioning checks

Primary pairing	D818 electronic timer arrangement
Separate timer item	AGE-GE00-168 electronic timer assembly
Purge-cycle restriction	Do not replace during purge cycle
D818 fault indication	Cycle starts but does not complete: battery is one possible cause

The service interval and purge-cycle steps refer to the documented D818 procedure; Ex Print applicability is limited to the listed PR variants. Exact battery ratings and certification markings require the supplied unit label.

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System context and application

The battery pack supports the electronic timer within the documented D818 purge arrangement. It is a replaceable power component, not the timer assembly that controls the purge cycle.

In the D818 service procedure, a discharged timer battery is one possible cause when a purge cycle begins but does not complete. Diagnosis must also consider the full purge system and its other listed fault causes.

D818 timer maintenance

Replace the listed IS battery pack in the documented electronic timer maintenance procedure.

Purge fault response

Consider battery condition when the D818 purge cycle starts but repeatedly fails to finish, alongside other system checks.

Ex Print service

Use with the specified PR-1xE-A or PR-1xE-G variants where Expo identifies this pack.

Planned battery renewal

Schedule replacement within the D818 maintenance interval and repeat commissioning checks after the change.

Lifecycle and offered unit

Exact-model phase	The current manufacturing and support phase of ETM-IS31-001 is unconfirmed.
Offered pack	EXPO ETM-IS31-001; New, original product.
Included items	Confirm whether retaining hardware or any timer assembly is included in the quotation; the battery pack identity alone does not include them.
Support planning	Confirm the supplied pack marking, timer revision and current replacement guidance with Expo for the installed system.
Identity check	Request the available-unit label and revision before assessing electrical rating or certification marking.

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Engineering answers and service checks

Why may an Expo D818 purge cycle start but fail to finish with ETM-IS31-001 installed?

A discharged electronic timer battery is a documented possible cause. Confirm the battery condition under the D818 troubleshooting procedure and evaluate other purge faults before replacing parts.

When should ETM-IS31-001 be replaced in the D818 electronic timer arrangement?

The D818 maintenance instructions call for battery replacement at least every three years; use the site maintenance schedule and the installed equipment revision to plan the service.

Can ETM-IS31-001 be changed while a D818 purge cycle is running?

The D818 procedure says not to replace the battery during a purge cycle. Follow the approved safe-work sequence and repeat commissioning checks after the change.

Is ETM-IS31-001 the same part as the electronic timer assembly?

No. Expo lists ETM-IS31-001 as the IS battery pack and AGE-GE00-168 as a separate electronic timer assembly. Diagnose which component requires replacement.

Which Ex Print variants identify ETM-IS31-001 as the IS battery pack?

The Expo Ex Print spare-parts list identifies the PR-1xE-A and PR-1xE-G variants only. Check the complete installed printer variant before ordering.

What should be checked when reconnecting ETM-IS31-001 to the timer?

Follow the specified plug and retaining-screw procedure, check connector seating without forcing it, and inspect the timer and cable for damage before commissioning.

Technical basis: Expo Technologies D818 Electronic Timer user manual and Ex Print user manual.

Related product references

EXPO ETM-IS11-113

EXPO ETM-IS51-113

Technical enquiry

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