

LCM-320

Exact-identity installation and commissioning guide

PRODUCT SCOPE

NOTIFIER LCM-320 is a loop control module that adds a signaling line circuit to compatible ONYX Series fire alarm control panels. Each module also supports one LEM-320 loop expander for a second SLC.

Verified installation basis

Module function	Loop control module
System family	Compatible NOTIFIER ONYX Series FACPs
SLC capacity	One SLC per LCM-320
Expansion	One LEM-320 per LCM-320
Nominal operating voltage	24 V DC
Maximum operating voltage	27.6 V DC
Maximum module current	130 mA

Verified related ApterPower product pages

Honeywell 10105/2/1	Honeywell FC-USI-0001
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Pre-work control

Record the installed system before any disconnection

Required checks

- Record the complete LCM-320 marking, panel slot and SLC assignment before work.
- Place the fire alarm system under the approved impairment and safe-work procedure.
- Back up the panel database and record loop devices, addresses and current loading.
- Verify conductor size, topology and total loop resistance against the approved design.
- Remove operating power before installing or removing the plug-in module.
- Confirm any LEM-320 expansion and interconnection before restoring the panel.

HOLD POINT

Confirm the LCM-320 marking, panel compatibility, SLC topology, conductor size and approved device schedule before installation.

Evidence to retain

- Complete product and installed-unit marking.
- Approved project, wiring and cabinet records.
- As-found connector, cable, address and diagnostic state.
- Acceptance plan and final results.

Verified related ApterPower product pages

[Honeywell FS-PDC-FTA24P](#)

[Honeywell 51198651-100](#)

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the complete LCM-320 marking, panel slot and SLC assignment before work.

2 ISOLATE

Place the fire alarm system under the approved impairment and safe-work procedure.

3 RECORD

Back up the panel database and record loop devices, addresses and current loading.

4 VERIFY

Verify conductor size, topology and total loop resistance against the approved design.

5 INSTALL

Remove operating power before installing or removing the plug-in module.

6 RESTORE

Confirm any LEM-320 expansion and interconnection before restoring the panel.

CONFIGURATION CONTROL

The LCM-320 operates as a plug-in loop interface with degraded-mode support and a maximum published module current of 130 mA. In NFS-3030 and NFS2-3030 systems, up to five LCM-320 modules and five associated LEM-320 expanders can provide ten SLCs. Field wiring length, conductor size, current and topology must follow the approved fire-alarm design.

Verified related ApterPower product pages

Honeywell FC-QPP-0002

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the complete LCM-320 marking, panel slot and SLC assignment before work.
Configuration	Confirm any LEM-320 expansion and interconnection before restoring the panel.
Physical installation	Test every affected loop device, fault indication and degraded-mode response.
Functional acceptance	Document acceptance results and restore the fire alarm system to normal service.
Diagnostics	Confirm that no unexplained product, communication or system diagnostic remains.
Release record	Document the final configuration, observed states, test results and responsible technician.

Verified related ApterPower product pages

Handover record

Traceable evidence for the installed product

Final acceptance

- Remove operating power before installing or removing the plug-in module.
- Confirm any LEM-320 expansion and interconnection before restoring the panel.
- Test every affected loop device, fault indication and degraded-mode response.
- Document acceptance results and restore the fire alarm system to normal service.

Manufacturer evidence used

- Honeywell NOTIFIER data sheet DN-6881 for LCM-320 and LEM-320 loop modules.

Verified related ApterPower product pages

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