ControlZ EnvisaLink for HomeSeer HS4

Free plugin that owns the single DSC EnvisaLink TPI connection (port 4025), creates zone Sensor composites with Bypass features, partition arm/disarm controls, and optional multi-client TPI proxy for Home Assistant.

Single-connection warning

EnvisaLink accepts **only one** TPI TCP client. Before enabling this plugin:

- Disable or remove the stock HomeSeer **EnvisaLink** plugin.
- Stop Home Assistant (or any other tool) from connecting directly to EVL:4025.

Migration from stock EnvisaLink

1. Note zone names/types from the stock plugin or your panel program.
2. Disable the stock EnvisaLink plugin and restart HS4 if needed.
3. Install ControlZ EnvisaLink → Settings → host / password → Save.
4. Open Zones → Seed zones → set names/types → Sync HS devices.
5. Refresh ControlZ Export / import on the Mac hub.

Device model

- `CzEnvisaLink:zone:N` — Sensor root (open/close / motion / smoke / CO)
- Feature **Bypass** — enable/disable bypass for that zone (never a standalone Sensor)
- `CzEnvisaLink:partition:N` — armed/ready status + Arm Stay / Away / Disarm
- `CzEnvisaLink:panel` — battery / AC / bell / FTC / summary trouble
- `CzEnvisaLink:pgm:N` — command output Activate (TPI 020)
- `CzEnvisaLink:keypad` — Panic Fire/Ambulance/Police, Door Chime, Bypass Menu (for Events)

Home Assistant via proxy

1. Enable **TPI proxy** in Settings (port **4026** recommended — not 4025).
2. Point HA EnvisaLink integration `host` at the HS4 machine and `port` at the proxy port.
3. Use the proxy password (can match EVL password or differ).

Keypad (TPI 071 / 070 / 060)

Open Keypad for a graphical DSC pad:

- **071** — Send Keystroke String (preferred; up to 6 keys on a partition)

- **070** — Single keystroke to Partition 1 (legacy)
- **060** — FAP panic (Fire / Ambulance / Police) with confirmation

Shortcuts: `*4` door chime, `*1#` bypass menu, `1*8` installer entry, `1##` exit programming. The same panic/chime/bypass actions are also HS features under `CzEnvisaLink:keypad` for Events.

Outputs (TPI 020)

Outputs activates PGM / command outputs 1–4. Code requests (900 / 912) use the Settings user code.

Migration

On Zones, use **Import from stock EnvisaLink** to pull names from existing HS `EnvisaLink` devices and/or paste INI / registry JSON.

DSC only (v1)

Honeywell / Ademco (Vista) uses a separate TPI framing — see the Honeywell plan doc; not enabled in this build.

Logs

`Data/CzEnvisaLink/startup.log` under the HomeSeer program folder. Registry: `Data/CzEnvisaLink/registry.json`.