

EVECTRIX

SMART HARMONY PANEL

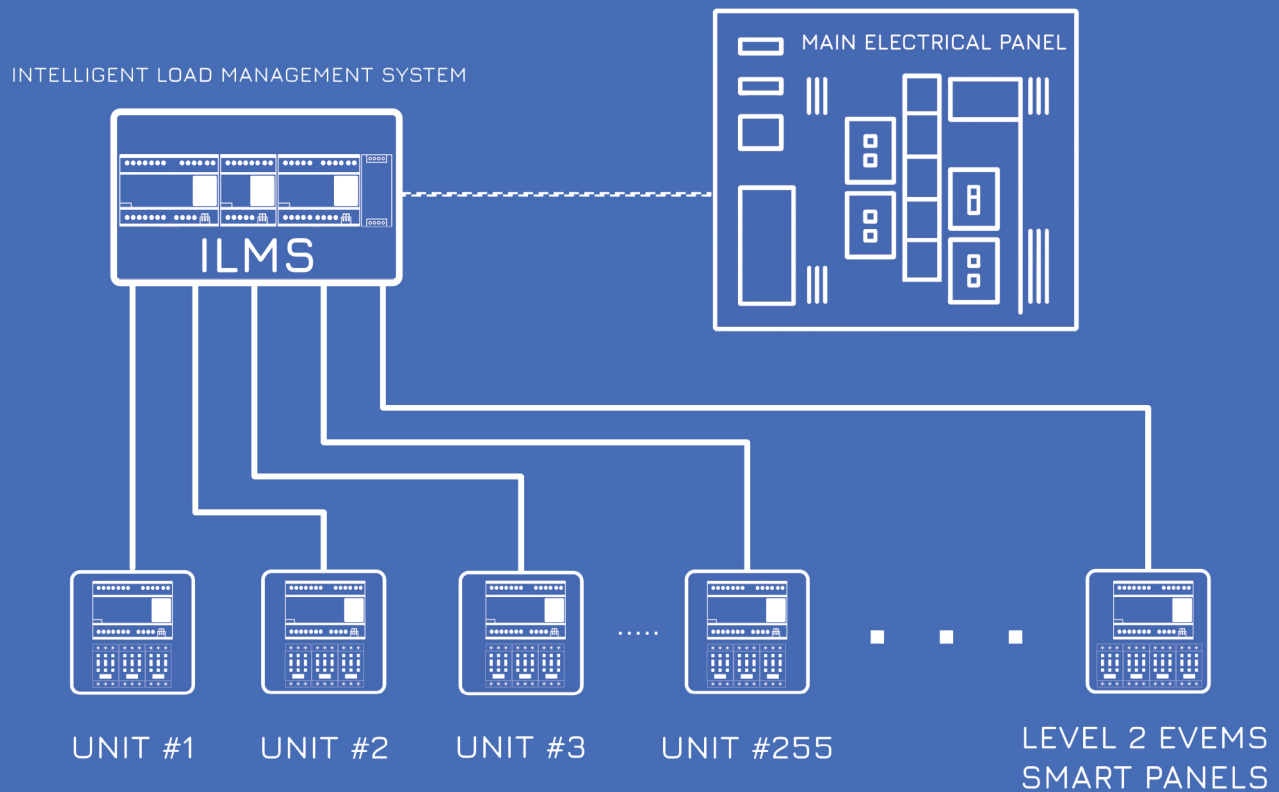
A Holistic Intelligent Load Management System for Detached Homes, Townhouses & MURBs
Electrify Without Upgrading the Panel



THE REAL ROADBLOCK TO PRACTICAL ELECTRIFICATION IN MURBs & TOWNHOUSES

The single biggest barrier to electrifying MURBs and townhouses isn't the technology; it's the main distribution panel. It's fixed, and very limited capacity simply cannot keep pace with the surging demand of the Level 2 EV chargers, high-efficiency Heat Pumps, DHW heaters, and other high-demand electrical loads.

Stacking 30, 40, or 50-Amp loads for new Level 2 EV charger, DHW, and Heat Pumps onto each unit, all sharing a single finite main service, forces costly upgrades. EVECTRiX Smart Harmony Panels are purpose-built to solve exactly this: actively managing the limited capacity flawlessly while enabling full EV, DHW, and Heat Pump electrification across every building type.



EVECTRiX Architecture: Engineered to Eliminate Panel Upgrades in MURBs

Every unit is equipped with a Smart Harmony Panel with integrated CT sensors that monitor and intelligently control each high-demand device in real time.

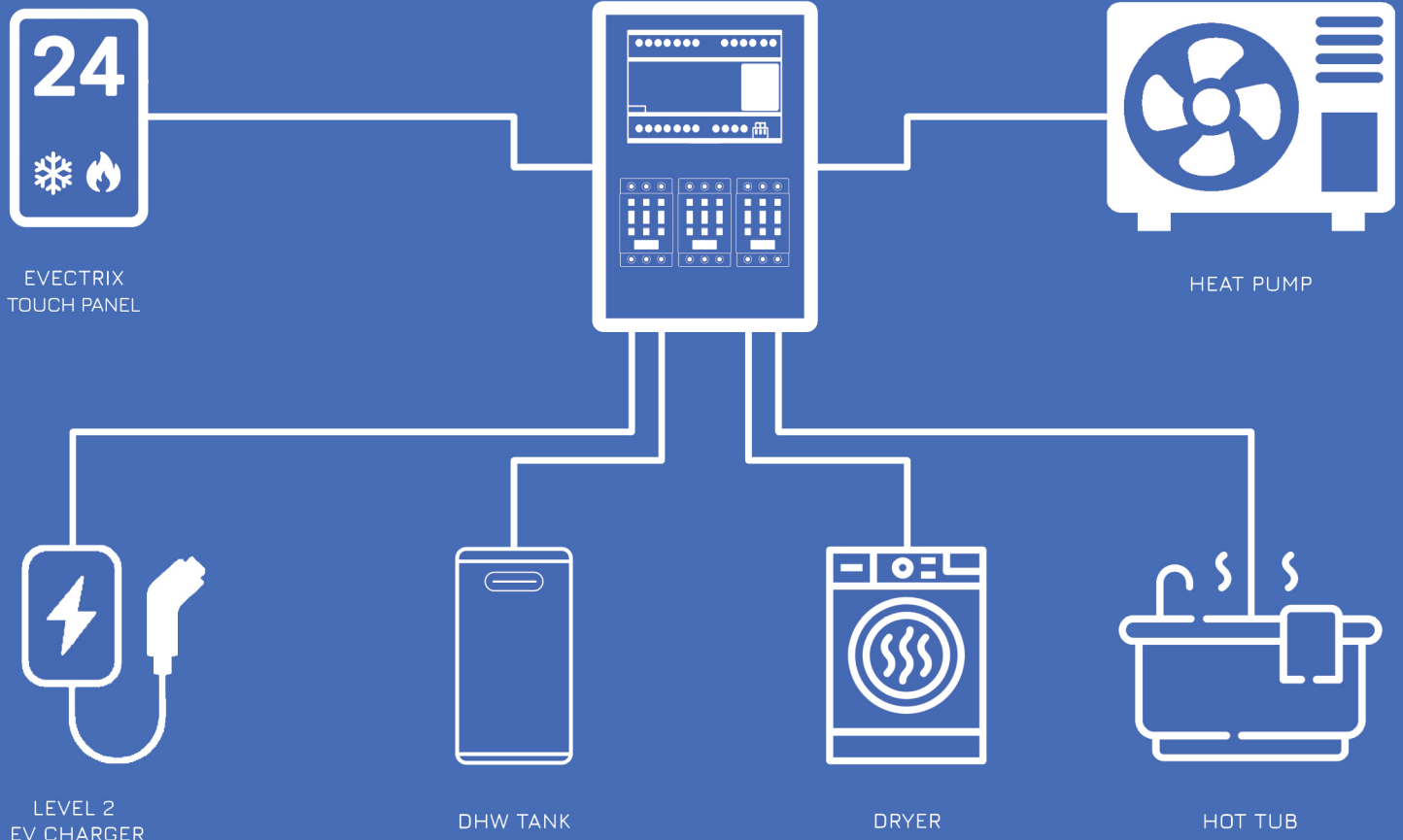
Every Harmony Panel connects to a central Intelligent Load Management System (ILMS Panel) that orchestrates the entire building seamlessly, distributing available power through prioritized, pre-programmed control logic that mathematically guarantees the main service capacity is never compromised.

EVECTRIX SMART TOUCH PANEL : PRECISION CONTROL



- Variable Fan Speed Control: Low, Medium, High, and 0-10V
- Dynamic Cooling Setpoint Adjustment
- Dynamic Heating Setpoint Adjustment
- Programmable Night Setpoint for Energy Savings
- 0-10V Output for Proportional Heat Pump Modulation
- 0-10 V OUTPUT
- VRV / VRF INTEGRATION
- Centralized Control of Up to 18 Zones from a Single Touch Panel
- EV Charger Now” Override Mode: Full-Speed Charging on Demand

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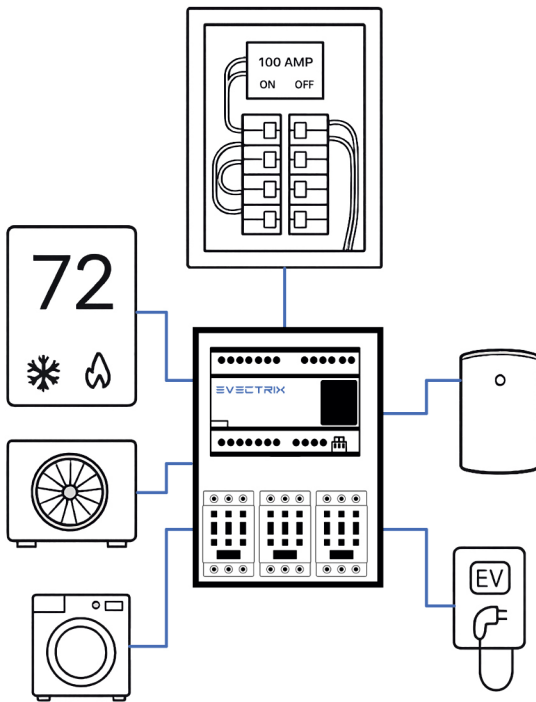
Overview & Key Features

EVECTRIX Smart Harmony and the ILMS solutions are the turnkey, all-in-one, holistic solutions for fully electrifying and decarbonizing modern Homes, Townhouses, and MURBs.

A breakthrough and first-of-its-kind smart load management system that intelligently manages every high-demand load, including the Level 2 EV chargers, Air-to-Water and Air-to-Air Heat Pumps controlled through an enhanced smart Touch Panel, electric DHW tanks, and dryers, all without the cost or delay of a panel upgrade.

Meticulously engineered for detached homes (standalone mode) and seamlessly scalable across MURBs and townhouses (networked mode) up to 250 units per complete system.

The Smart Harmony Panel and the associated ILMS panel continuously distribute the available power across every connected device, measuring live consumption at both the unit and the main shared service; ensuring flawless, code-compliant delivery of every available electron in townhouses, MURBs, and any building with limited capacity to electrify.



Key Features

- ⚙ Real-Time Load Intelligence: Continuous monitoring of every unit panel and the main MURB / Townhouses service via integrated CT sensors.
- ⚙ Intelligent Load Prioritization across Level 2 EV chargers, Heat Pumps, DHW tanks, dryers, and more; with proportional Heat Pump modulation engaged first to preserve comfort and scale capacity smoothly, rather than abruptly cutting loads.
- ⚙ MURB-Scale Architecture: A single ILMS Harmony Panel coordinates up to 255 units, purpose-built for condominium and townhouse developments.
- ⚙ Eliminate the costly, time-consuming panel upgrade, a process that in many townhouses and MURBs is technically infeasible, prohibitively expensive, or both.

EVECTRIX

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PROUDLY DESIGNED &
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