

DCS / IS Outdoor Compatible

INcredible precision, OUTstanding durability

Steinel America Case Study



Products Used:

- 16 DCS Controllers
- 45 IS 345 DCS Sensors
- 12 DT Quattro DCS Sensors
- 15 ELV Dimmers
- 5 DS1 DCS
- 5 DT WLS -W
- 2 EPC-2
- 13 EPC-2-D
- 15 EPC-D-F-ATS
- 5 IR Quattro SLIM XS DCS
- 8 IR WLS 1-W
- 2 NF1 DCS
- 1 PS DCS



Project: New 6 Story Build, 180 Units Residential Apartment Complex with an Outdoor Garden Space

Location: Pasadena, CA

Year: 2023

Challenges: Originally specified with a competitive product line and previous experience with programming had been difficult, creating known issues. Additionally, at the beginning of installation, there were no products available for purchase with lead times to the project exceeding the necessary installation timeline. There were also challenges with code compliance and a need for wet-location outdoor sensors.

Solution: Install Steinel Digital Control Solution with IP54 Rated IS 345 DCS Senors

Key Benefits:

- CA Code Compliant
- Immediate Product Availability
- IS DCS Sensors for Outdoor Garden
- Distributor Recommended
- Perimeter & Hallway Sensors



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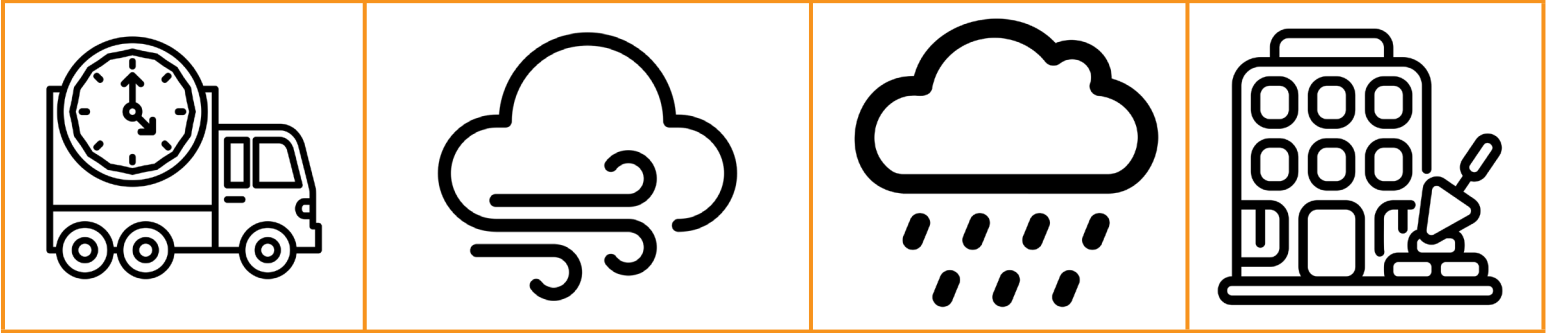
 **steinel**

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Challenge:

Originally specified with a competitive brand, the electrical contractor had prior experience programming the product line and found it challenging. Additionally, when the project reached the electrical installation phase, no products were available at local distributor locations, and the lead time for ordering and delivery exceeded the project's timeline. This presented a time-sensitive challenge that required an immediate solution.

There were also code compliance challenges. The project included an outdoor garden area and long, covered outdoor corridors exposed to the elements, necessitating wet-location IP54-rated sensors. In the initial product testing phase, wind exposure in these corridors triggered false activations, revealing the original sensors were not well-suited for this environment. This oversight in the original specification added further complications.

With multiple challenges arising at a critical stage, the electrical contractor collaborated with a local distributor to select STEINEL. The initial specification was a soft spec, enabling the project to proceed quickly without additional approval from the electrical engineers. If it had been a hard spec, correcting these challenges as efficiently may not have been possible.

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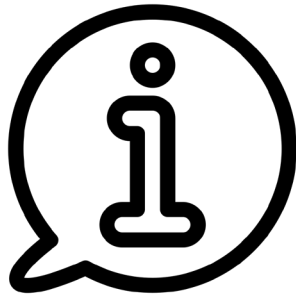
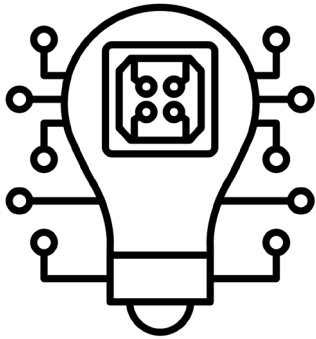
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Solution:

STEINEL was recommended and quickly became the product line of choice for this apartment complex. The Digital Control Solution (DCS) met California code requirements and reduced costs, with three apartments forming three distinct zones with three zones per controller. The perimeter and outdoor sensors complied with California's strict code through the new IS 345 DCS Series.

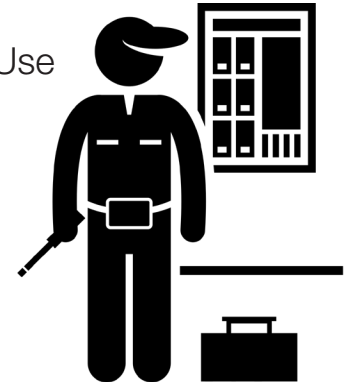
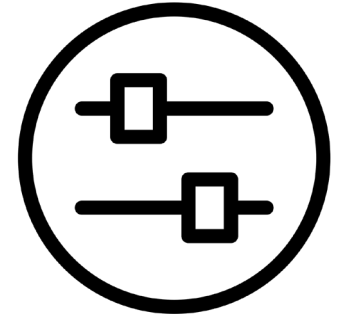
The IP54-rated IS Series sensors were less sensitive to environmental factors, eliminating false triggers while ensuring reliable lighting for safety-critical areas.

By implementing the complete STEINEL solution, the electrical contractor saved time and reduced costs, ensuring the project would be completed on time and within budget.



Key Benefits:

- Easy Install & Programming
- Better Coverage Patterns
- Cost Savings
- Stock, On Time
- Simplified Wiring
- 3 Apartments (Zones) Per DCS
- Great customer service & tech support
- IP54 Rated Digital Sensors for Outdoor Use



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