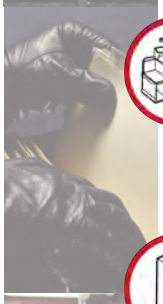
Engineered Solutions Services (ESS)

Industry: Architectural **Application:** Luxury Appartments

CASE STUDY:

Customer needed to conceal all kitchen appliances, including the oven for aesthetic purposes.



THE CHALLENGE(S):

- Oven could not be covered by a conventional cabinet door due to potential warpage caused by the heat generated from the appliance
- Concealing the locking mechanism was critical to the Customers needs, as the oven cabinet door was required to match the look of all other cabinets
- Customer needed to prevent the user from closing the cabinet door while the oven was still hot

THE SOLUTION:

- Development of a temperature driven interlock system with status alarm using a 3513DM and custom built control box (shown below), was the ideal solution for maintaining a cabinet door in a locked position until the oven's temperature dropped below 45°C. In the event that the door was able to shut at a non safe temperature, the alarm would trigger, notifying the user that the oven's temperature was in excess of 50°C

BENEFITS OF SOLUTION IMPLEMENTED:

- Custom designed control system to match the exact kitchen oven and cabinet requirements
- Solution was non obtrusive and invisible to the end user
- The solution was designed to be cost effective and simple to install
- Required no modification to the oven or the kitchen's interior design

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