Problem
A commercial building – in this case a storage facility – wants to be able to control outdoor lighting at a distance from an office. Currently each building has its own lighting circuit controlled by a switch in that building. They also want the lights to come on at dusk and off at the facility closing time plus one hour – different on Friday, Saturday, and Sunday from the other days.

The Usual Solution
Run additional wires from the office to each building and implement multi-way control from the office switch. Also install some kind of timer in each building to implement the schedule. The cost of installation is high due to the labor of running the control wires between the buildings. The cost of the timer hardware for each building is not insignificant.

The SimpleWorx solution
The SimpleWorx solution is in two parts: First the switch that controls the lighting in each building is replaced by a SimpleWorx wall switch. As the SWX wall switch is rated for 15A and is physically capable of being installed in the same single-gang box as the existing switch, the replacement is easy.

A second SWX wall switch is installed in the office for each building. All the switch needs are connection to line, neutral, and ground.
Once the two switches are installed then they are linked using the SWX linking protocol – no software needed - and that piece is done.

The schedule can be implemented by a DAT-4 SWX timer in the office that handles the schedule. Installation is trivial as it plugs into the wall.

Configuring the schedule is done using the menu system on the timer itself. One of the configuration options is for the installation location which ensures that the sunrise and sunset times are correct. The DAT-4 timer scheduler can be configured for action on every day of the week or timed events can be associated with selected days of the week. This makes the schedule for Monday to Thursday and Friday to Sunday possible.