

Closet Light Controller Selection Guide for Dual-Door Closets

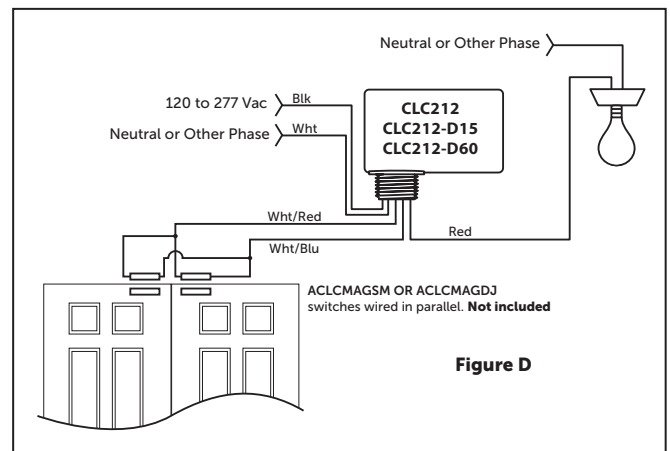
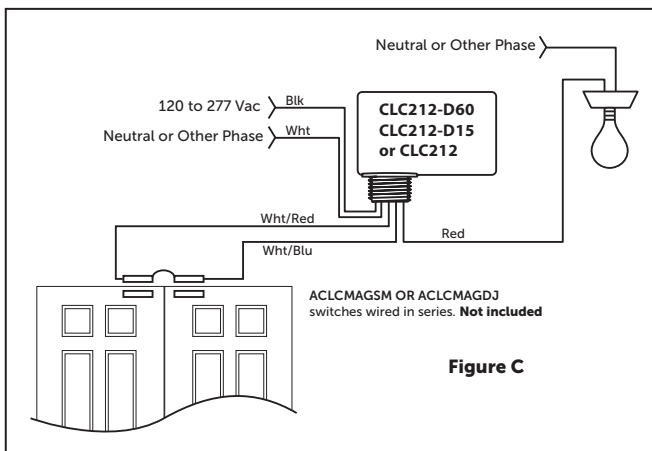
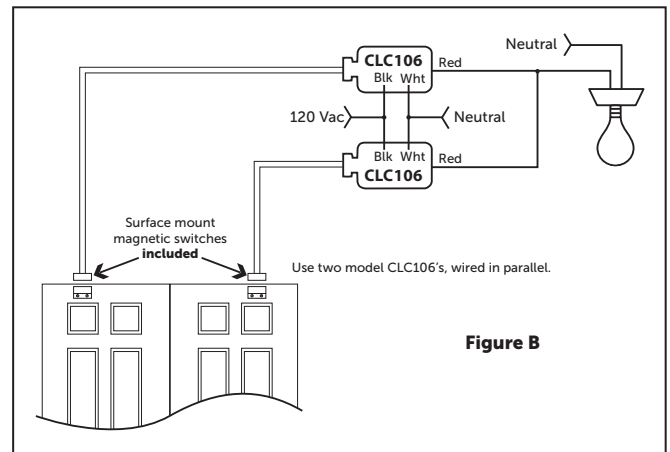
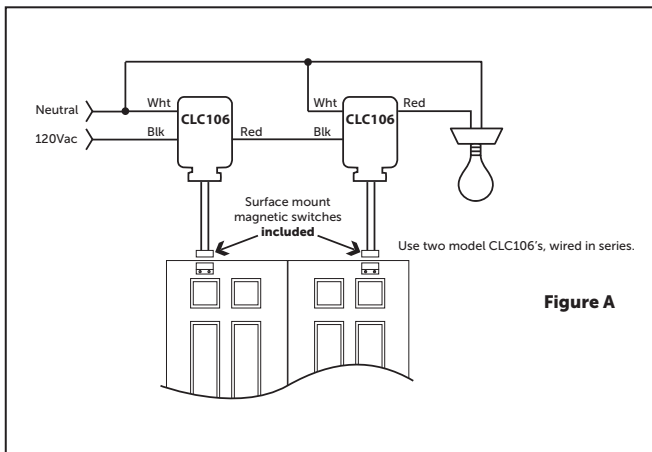
| Voltage | Recommended Application | Functional Devices Model | Off Delay | Recommended Door Switches |
|-------------------|-------------------------|--------------------------|-----------|------------------------------------|
| 120Vac | Retrofit | CLC106 | None | 1 Included |
| 120 Vac - 277 Vac | New Construction | CLC212 | None | ACLCMAGSM (N/C) or ACLCMAGDJ (N/C) |
| | | CLC212-D15 | 15 min. | ACLCMAGSM (N/O) or ACLCMAGDJ (N/O) |
| | | CLC212-D60 | 60 min. | ACLCMAGSM (N/O) or ACLCMAGDJ (N/O) |

Details for Required Door Switches

These controllers require at least one door switch (**sold separately**), which is installed on the closet door itself. We currently offer both surface mounted (**ACLCMAGSM**) and recessed mounted (**ACLCMAGDJ**) switches.

These switches are **Form C** type switches, meaning they have a normally open (**N/O**) contact and normally closed (**N/C**) contact with a shared (**COM**) common. Functional Devices recommends this type of switch to provide options for differing applications.

Always follow NEC® and local codes. Functional Devices, Inc. recommends adding a label on each device used in this application with the message: "WARNING – LOAD SIDE TERMINALS MAY BE ENERGIZED BY BACKFEED," similar to what is recommended in NEC® Article 404.6 (C) 2008.





Functional Devices, Inc.
 101 Commerce Drive
 Sharpsville, IN 46068

Toll Free: (800) 888-5538
 Office: (765) 883-5538
 Fax: (765) 883-7505

Email: sales@functionaldevices.com
 Website: www.functionaldevices.com

| Functional Devices Model | Wiring Configuration | Operational "ON" Function | Operational "OFF" Function | Wiring Diagram |
|--------------------------|---------------------------------------|---|--|----------------|
| CLC106 | 1 contact per door, wired in series | All doors must be open to turn the light on | Any closed door will turn the light off | Fig. A |
| | 1 contact per door, wired in parallel | Any open door will turn the light on | All doors must be closed to turn the light off | Fig. B |
| CLC212 | 1 contact per door, wired in series | All doors must be open to turn the light on | Any closed door will turn the light off | Fig. C |
| | 1 contact per door, wired in parallel | Any open door will turn the light on | All doors must be closed to turn the light off | Fig. D |
| CLC212-D15 CLC212-D60 | 1 contact per door, wired in series | Any open door will turn the light on and begin the timing sequence | All doors must be closed to turn the light off and end the timing sequence | Fig. C |
| | 1 contact per door, wired in parallel | All doors must be open to turn the light on and begin the timing sequence | Any closed door will turn the light off and end the timing sequence | Fig. D |