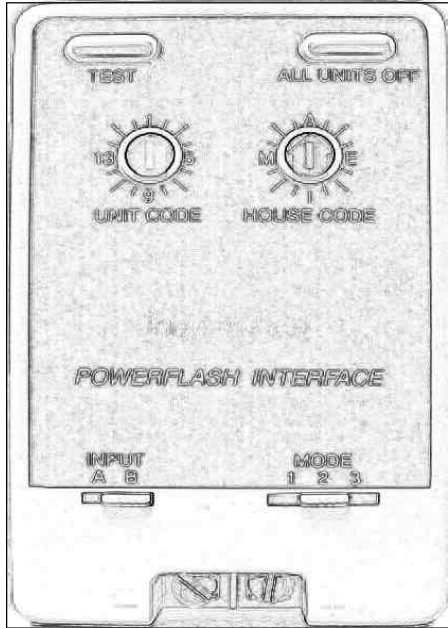


# APPLICATIONS

## ALARM SYSTEM CONTROLS GARAGE DOOR OPENER

Using the PSC01 Powerflash Interface and a PUM01 Universal Module, you can utilize an output from the OEM alarm panel to close the garage door (if left open) upon arming the system.



With either a PGM (programmable output contact closure) from your alarm panel or a voltage output upon arming (6-18VDC),

Connect the output to the screw terminals on the bottom of the PSC01.

Select a House and Unit Code that will not affect any other X10 PRO Module in the home.

Set the Mode switch to 3 (One unit ON/OFF).

Plug the PSC01 into an electrical outlet.

Connect the PUM01 Universal Module near the garage door opener as follows:

Parallel one of the two wires that run from the momentary button (found in nearly all installations of garage door openers) to one of the PUM01 output screw terminals.

Do not connect the other wire to the PUM01 directly. Using a normally open magnetic reed switch, (mounted so that when the door closes it meets the other half of the magnetic reed), make a connection from the other garage door control wire through the reed switch to the other output screw on the PUM01.

This accomplishes a fail-safe that removes the control of the PUM01 from opening an already shut door. When the door is shut and the reed switch goes open, it breaks the continuity of the circuit through the PUM01. However, when the door is left open the PUM01 can control the mechanism to close the door.

*A flowchart would look like this:*

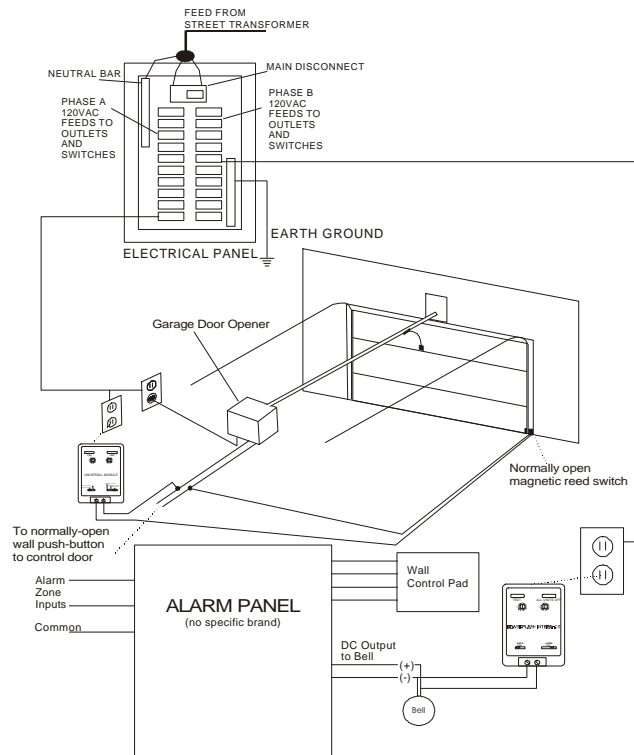
\*Alarm armed, voltage passes (or PGM contact closure) to the PSC01

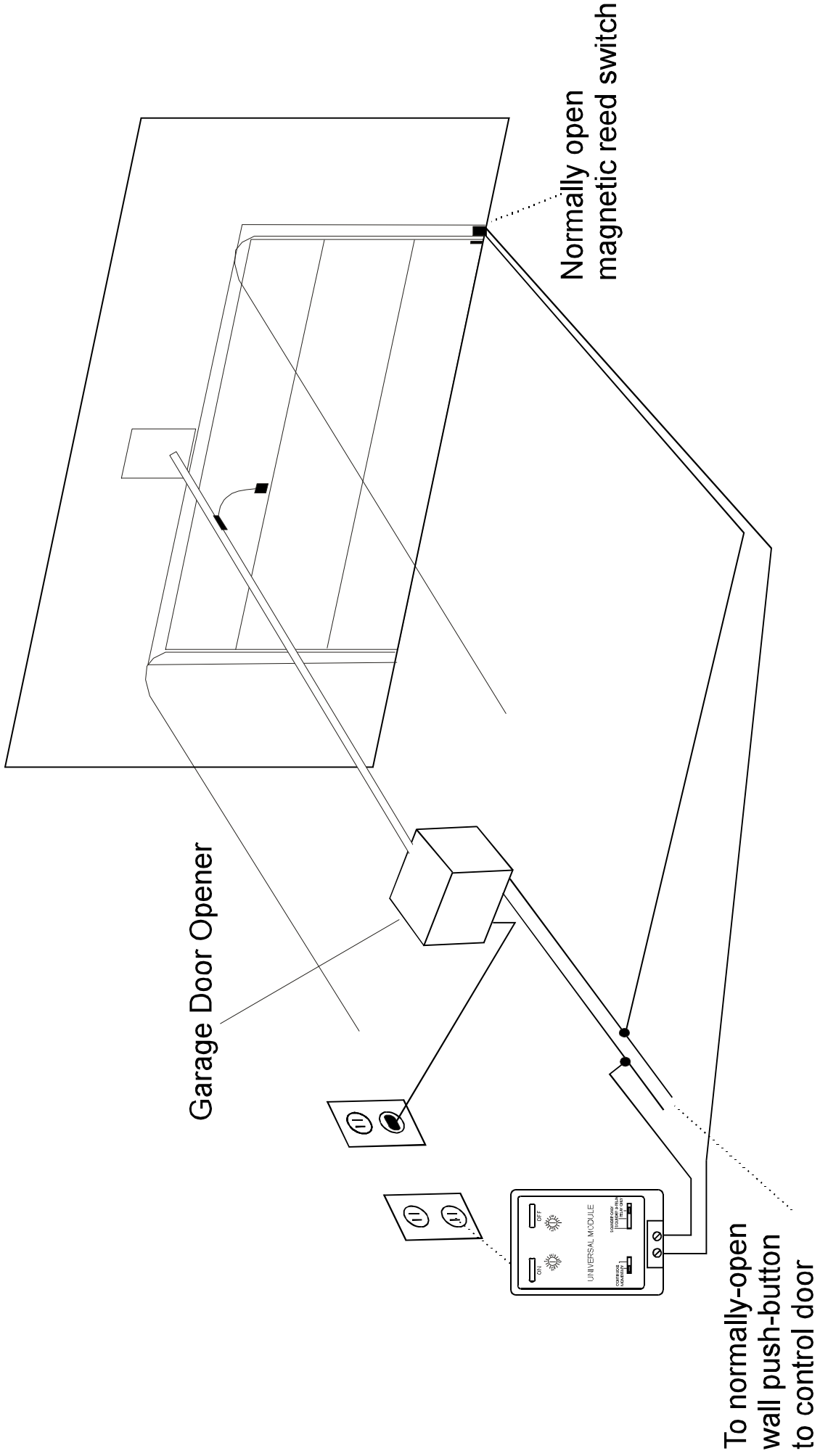
\*The PSC01 sends an X10 House and Unit Code ON to the PUM01

(Note: OFF Commands would be ignored by the PUM01)

\*The PUM01 responds with a momentary closure (switchable from a latched setting) and triggers the garage door to shut.

\*If the garage door was already closed, the normally open magnetic reed would break the circuit through the PUM01 and not allow a closed door to go back opened.





Garage Door Opener

Normally open magnetic reed switch

To normally-open wall push-button to control door