

Bus Stop Request Circuit

Operates a bus stop request indicator and timed buzzer from the pull cord switch and resets when the entry door is opened.

Product Information

InPower Model: VCM-05.X Time Delay Solid State Relay, One-Shot

Description: The VCM-05.X is a solid state adjustable one-shot timer relay with a single +12 volt @ 15 amp output. The module has two inputs, one actuated by a transition to +12 volts (Input A) and one actuated by a transition to ground (Input B). The two inputs operate as a logical "Exclusive OR" so that either input can cause the timer to operate. If the module is not already in a time-out sequence, its output will be activated for the adjustable time period when +12 volts is applied to Input A while Input B is open, or when ground is applied to Input B while Input A is open. Once the timer has started, and the output activated, it will not be affected by the state of the input. The time period is adjustable with a single turn potentiometer. Four time ranges are available: 0-10 seconds, 0-60 seconds, 0-3 minutes, and 0-10 minutes.

Available Models: VCM-05.1 0 - 10 Seconds Time Range
VCM-05.2 0 - 60 Seconds Time Range
VCM-05.3 0 - 3 Minutes Time Range
VCM-05.4 0 - 10 Minutes Time Range

Documentation: Product Data Sheet PDS-61

Operation

1. Door Switch is closed. Pull Cord Switch is operated. Relays A and B operate and stay latched.
2. Stop Request Indicator is powered. VCM-05.X powers buzzer immediately and keeps it powered for the VCM-05.X time period. Buzzer goes off and Stop request Indicator stays on.
3. When Door Switch goes to Door Open position, Step Light turns on and Relay A, Relay B and VCM-05.X are reset (turned off).
4. When Door Switch goes to Door Closed position the sequence can repeat.

Application Wiring Diagram

