



Ultimate Supplies, LLC

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EM2 Operating System

Electrical Specifications:

Input voltage: 115VAC, 60 Hz

Fuse rating required: 10A

Required Inputs from Carwash:

Three dedicated terminals are provided for Open, Close and Common. A momentary input from the equipment is **required**. These dedicated inputs are setup for normally open inputs at 24VDC.

- A 24VDC, 1A supply is provided at the terminal strip.

Photo Eyes:

Dedicated inputs are provided for safety eyes. The provided eyes must be used for UL325 Compliance.

Function: A door moving to the closed position will immediately stop and return to the full open position when the photo-eye is blocked. The photo-eye will maintain the open signal as long as they are blocked.

Secondary Equipment Controls available:

Four dedicated terminals are provided for Open, Close, Stop and Common. The Open and Close require Normally Open contacts and the Stop requires a Normally Closed contact. If the stop input is not used leave the jumper wire between the Common and the Stop terminals for proper operation. Secondary dedicated inputs are also provided for additional photo-eyes to be connected only.

*These inputs can be used for any secondary devices including motion detectors, push button stations, or additional photo eyes. Default setting is for Normally Open devices. Other options are available upon request!





EM2 BENEFITS

- High reliability motors, very quiet operation, effective in areas where noise is an issue, eliminating noise and the need for external dampening.
- The motor is built with high quality bearings. This combined with smooth motion control results in our motors capability of achieving a very high daily cycle count.
- The motor is a closed unit which requires no internal maintenance reducing lifetime maintenance cost.
- 1" Through-hole gearbox/motor design for easy mounting.
- Soft Start and Stop, reducing wear on door and lowering maintenance cost.
- Smooth door operation which softens the loading on the hardware increasing the life of the door and door hardware.
- Dedicated input Terminals for Car Wash controls.
- Battery backup ensuring door operation through brown and black outs.
- Very clean light weight design.
- System color coded for wiring, reducing the installation overhead once experience on the first system has been completed.
- Compact motor design for applications where space is limited.
- Fast internal diagnostic testing to pinpoint faulty peripherals.
- Each operator can be powered by 115VAC or 230VAC 60 Hz. Single phase.
- Strong enough to lift an ***unbalanced*** door.

* All inputs must be **MOMENTARY CONTACTS** for safety edges to function properly*

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Product Designed, Programmed and Fabricated by Ultimate Supplies, LLC