



The circuit selection wiper on Electrical Reset Steppers can be reset to zero or the home position from any desired position by energization of the reset magnet. One of the most versatile and widely used steppers in the Guardian line, the ME offers smooth and reliable performance - proven in thousands of applications. The interlock arrangement between the reset and step magnets allows the MER to perform some of the functions of an interlock relay.

Speed of Operation:

- Self Stepping**
 - AC: Approximately 25 Steps per second.
 - DC: Approximately 30 Steps per second.
- Pulse Operated**
 - AC: Up to 20 steps per second.
 - DC: Up to 25 steps per second.

Stepping Pulse: Minimum pulse of 25 milliseconds duration required for each individual step @ rated voltage. Standard unit has one deck of 24 bridging contacts, 22 active positions using a single circuit (2 are reserved for stops). Two decks are the recommended maximum.

Reset Pulse: Minimum pulse of 10 milliseconds required to initiate reset. Maximum reset time is 100 milliseconds.

Auxiliary Switches:

- On Step Magnet:** Maximum of two poles, any combination of types A, B, or C switches, or a maximum of one type C snap action switch and one type A, B, or C switch.
- On Reset Magnet:** Maximum of two poles. Any combination of A, B, and C switches.
- On Cam:** Maximum of two A, B, or C switches with a limitation of one to a position. Home or zero position is standard.

Circuit Levels: Single circuit level (a) is standard.

Basic Unit Mechanical Life Expectancy: 5 Million Steps

Weight: Approximately 8.5 ounces.

Operating Data
40 VA, 20 Watts, 120VAC. Maximum Energization is 4 minutes.

Ordering Information
The Guardian part numbers are:
MER-120A
MER 24D