

720 Series Line Voltage Brushless DC Control



Speed Potentiometer
Kit Included

The **720 Series** is the result of Dart's continued leadership and investment in brushless DC technology. It is a family of feature-rich drives designed for incorporation into many types of OEM equipment: medical, door actuators, printers, scanners, air handling, parts placement, packaging / labeling and many more. **As designers consider the long term cost of ownership, maintenance and service, brushless DC drive systems offer an opportunity to gain a competitive market edge.**

The **720 Series** is available in a **variety of styles and capabilities.** Both the chassis and NEMA 4/12 enclosed versions come in open or closed loop, isolated or non-isolated versions. All include the standard features designers need to address their motion control requirements: 120/240*VAC source power, quiet 17 KHz switching, FWD/REV control, dynamic brake and Inhibit, LED indication of drive status and fault conditions, and remote signal follower capability.

Contact Dart today to discuss the 720 Series for your application

History Note-1985

Tears For Fears, Duran Duran top the music charts

Dart launches standard brushless DC drive line

* Released early 2011

720 SERIES STANDARD FEATURES

- Line voltage source power
- Open closed loop models
- Quiet 17 khz pwm switching
- IGBT power devices
- Forward/reverse control
- Brake control
- Inhibit control
- Run/stop output indicator
- Internal power on led
- Internal fault led
- Voltage follower input
- 5kΩ speedpot kit
- +5 volt dc supply for motor halls

SPECIFICATIONS*

Input Voltage..... 120/240 VAC ±10%

* Call factory for complete specifications

OPERATING CONDITIONS

Temperature..... -10° to +45° C.

720 SERIES SELECTION GUIDE

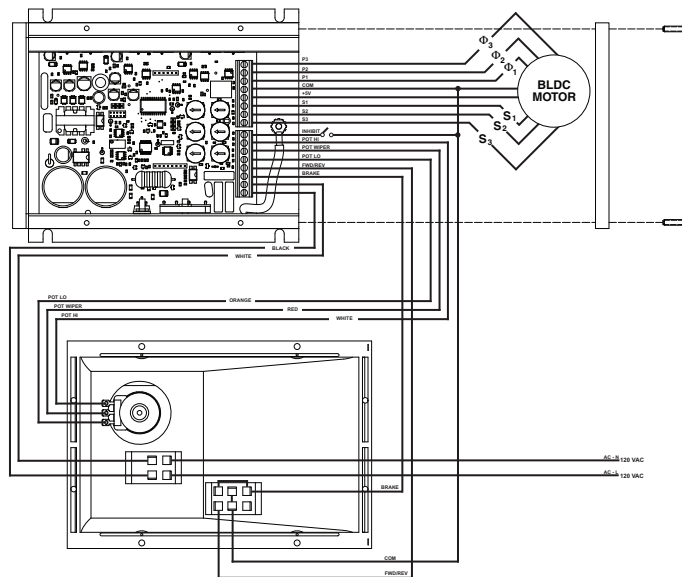
| CONTROL TYPE | CHASSIS MODEL | ENCLOSED MODEL | ISOLATED CHASSIS MODEL | ISOLATED CHASSIS MODEL |
|--------------|---------------|----------------|------------------------|------------------------|
| Open Loop | 720AC-C | 720AC-E | 720AC-IC | 720AC-IE |
| Closed Loop | 720AC-C | 720AC-E | 720AC-IC | 720AC-IE |

DIMENSIONAL SPECIFICATIONS

| MODEL | WIDTH | LENGTH | HEIGHT | WEIGHT |
|----------|----------|----------|----------|--------|
| CHASSIS | 5.53 in. | 6.41 in. | 2.60 in. | 27 oz. |
| ENCLOSED | 5.53 in. | 7.15 in. | 4.33 in. | 38 oz. |

CONNECTION DIAGRAMS

Enclosed Wiring



Chassis Wiring

