



# CONEX-CC

**Single-Axis DC Motion  
with Controller/Driver**

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 **Newport®**

**Introduction,  
Safety & Service**

# Warranty

Newport Corporation warrants that this product will be free from defects in material and workmanship and will comply with Newport's published specifications at the time of sale for a period of one year from date of shipment. If found to be defective during the warranty period, the product will either be repaired or replaced at Newport's option.

To exercise this warranty, write or call your local Newport office or representative, or contact Newport headquarters in Irvine, California. You will be given prompt assistance and return instructions. Send the product, freight prepaid, to the indicated service facility. Repairs will be made and the instrument returned freight prepaid. Repaired products are warranted for the remainder of the original warranty period or 90 days, whichever occurs last.

## Limitation of Warranty

The above warranties do not apply to products which have been repaired or modified without Newport's written approval, or products subjected to unusual physical, thermal or electrical stress, improper installation, misuse, abuse, accident or negligence in use, storage, transportation or handling.

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# Preface

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## Documentation Organization

CONEX-CC documentation set includes 2 parts:

- **Introduction, Safety and Service** (this document).
- **Controller Manual** describing available commands.

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### NOTE

**During operation, always refer to this document for safety information.**

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# EU Declaration of Conformity

**CONEX-CC**

Single-axis DC Motion with  
Controller/Driver

**EU Declaration of Conformity**

following Annex II-1A

of Directive 2006/42/EC on machinery

**The manufacturer:**

MICRO-CONTROLE Spectra-Physics,  
9, rue du bois sauvage  
F-91055 Evry FRANCE

**Hereby declares that the machinery:**

- Description: " CONEX-CC "
  - Function: Single-axis DC Motion with Controller/Driver
  - Models: CONEX-BGS50CC/ -LTA-HL/ -LTA-HS/ -MFACC/ -PR50CC/  
-SR50CC/ -TRA6CC/ -TRA12CC/ -TRA25CC/ -URS50BCC.
- the technical file of which was compiled by:  
Mr Hervé LE COINTE, Quality Director,  
MICRO-CONTROLE Spectra-Physics, Zone Industrielle - B.P.29  
F-45340 Beauce La Rolande France
- complies with all the relevant provisions of the Directive 2006/42/EC on machinery.  
– complies with all the relevant provisions of the Directive 2014/30/EU relating to electro-magnetic compatibility.  
– complies with all the relevant provisions of the Directive 2011/65/EU relating to RoHS2.
- was designed and built in accordance with the following harmonised standards:
- NF EN 61326-1:2013 « Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements »
  - NF EN 55011:2010/A1:2011 Class A
- was designed and built in accordance with the following other standards:
- NF EN 61000-4-2
  - NF EN 61000-4-3
  - NF EN 61000-4-4
  - NF EN 61000-4-5
  - NF EN 61000-4-6
  - NF EN 61000-4-11

**ORIGINAL DECLARATION**

Done in Beauce La Rolande on 16 May 2017  
Hervé LE COINTE  
Quality Director



DC1-EN rev:A



# Single-Axis DC Motor Controller/Driver CONEX-CC

## 1.0 Introduction

### 1.1 Definitions and Symbols

The following terms and symbols are used in this documentation and also appear on the CONEX-CC Controller/Driver where safety-related issues occur.

#### 1.1.1 General Warning or Caution



*Figure 1: General Warning or Caution Symbol.*

The Exclamation Symbol in Figure 1 may appear in Warning and Caution tables in this document. This symbol designates an area where personal injury or damage to the equipment is possible.

#### 1.1.2 Electric Shock



*Figure 2: Electrical Shock Symbol.*

The Electrical Shock Symbol in Figure 2 may appear on labels affixed to the CONEX-CC Controller/Driver. This symbol indicates a hazard arising from dangerous voltage. Any mishandling could result in irreparable damage to the equipment, in personal injury, or death.

#### 1.1.3 European Union CE Mark



*Figure 3: CE Mark.*

The presence of the CE Mark on Newport Corporation equipment means that it has been designed, tested and certified as complying with all applicable European Union (CE) regulations and recommendations.

## 1.2 Warnings and Cautions

The following are definitions of the Warnings, Cautions and Notes that may be used in this manual to call attention to important information regarding personal safety, safety and preservation of the equipment, or important tips.



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### WARNING

**Situation has the potential to cause bodily harm or death.**

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### CAUTION

**Situation has the potential to cause damage to property or equipment.**

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### NOTE

**Additional information the user or operator should consider.**

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## 1.3 General Warnings and Cautions

The following general safety precautions must be observed during all phases of operation of this equipment.

Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture, and intended use of the equipment.

- Heed all warnings on the unit and in the operating instructions.
- To prevent damage to the equipment, read the instructions in this manual.
- Route power cords and cables where they are not likely to be damaged.
- Keep air vents free of dirt and dust.
- Keep liquids away from unit.
- Do not expose equipment to excessive moisture (>85% humidity)
- Do not operate this equipment in an explosive atmosphere.
- Disconnect power before cleaning the CONEX-CC unit. Do not use liquid or aerosol cleaners.
- Do not open the CONEX-CC controller. There are no user-serviceable parts inside.
- Return equipment to Newport Corporation for service and repair.
- Follow precautions for static-sensitive devices when handling electronic circuits.



## 2.0 Maintenance and Service

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### 2.1 Enclosure Cleaning

The CONEX-CC Controller/Driver should only be cleaned with a lightly dampened cloth or sponge with a soapy water solution. Do not use an acetone or alcohol solution; this will damage the finish of the enclosure.

### 2.2 Obtaining Service

The user should not attempt any maintenance or service of the CONEX-CC Controller/Driver and its accessories beyond the procedures outlined in this manual.

Any problem that cannot be resolved should be referred to Newport Corporation. When calling Newport regarding a problem, please provide the Tech Support representative with the following information:

- Your contact information.
- System serial number or original order number.
- Description of problem.
- Environment in which the system is used.
- State of the system before the problem.
- Frequency and repeatability of problem.
- Can the product continue to operate with this problem?
- Can you identify anything that may have caused the problem?

Complete a copy of the Service Form as represented on the next page and include it with your shipment.

Any CONEX-CC controller/driver being returned to Newport must have been assigned an RMA number by Newport. Assignment of the RMA requires the item serial number.

CONEX-CC Controller/Driver being returned under an RMA must be securely packaged for shipment. If possible, reuse the original factory packaging.



## Your Local Representative

Fax: \_\_\_\_\_

Return authorization #: \_\_\_\_\_

(Please obtain prior to return of item)

Date: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Serial #: \_\_\_\_\_

Reasons of return of goods (please list any specific problems): \_\_\_\_\_

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



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