

# Chopper/Inverter Control Unit

## 587012 (9029-00)

**FESTO**

LabVolt Series

Datasheet



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## Table of Contents

<b>General Description</b>	<b>3</b>
<b>Specifications</b>	<b>3</b>

## General Description

The Chopper / Inverter Control Unit is a plug-in control module designed for the control of IGBT Chopper/ inverter or power MOSFETs in power converter circuits. It generates six 0-5 V pulse signals brought out to a 9-pin socket on the front panel. These control signals can be routed to the IGBT Chopper/Inverter, Models 8837, through the use of an included mating 9-pin cable. Various control modes are selectable on the front panel depending on the type of power converter circuit to be controlled (PWM chopper, three-phase inverter with 120° modulation, etc.) Each mode's parameters are set by low-level dc signals applied at the control inputs. Two variable dc sources on the front panel can be used to produce these control signals.

## Specifications

Parameter	Value
<b>Control Inputs</b>	
Number of Sources	3
Level	-10 to +10 V
Input Impedance	1 M $\Omega$
<b>DC Sources</b>	
Number of Inputs	2
Voltage Range	-10 to +10 V
Output Impedance	1 k $\Omega$
<b>Control Outputs</b>	
Number of output signals	7
Level	0-5 V (TTL compatible)
Frequency Range Inverter Modes	127-0-127 Hz
Frequency Range Chopper Modes	100 Hz - 2 kHz
Output Impedance	300 $\Omega$
<b>Physical Characteristics</b>	
Dimensions (H x W x D)	143 x 63 x 240 mm (5.6 x 2.5 x 9.4 in)
Net Weight	0.8 kg (1.8 lb)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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