

# C0628.020.000 - Motion Controller

## Overview

The Optec C0628 Motion Controller can manage 4 different DC motors at the same time with a maximum output power of 20 W for each motor. It implements a complete PID position control system with continuous movement on the preset fixed positions. It also provides an ECAM system for synchronized zoom lenses.

To communicate with the PC the Optec C1107 Motion Controller requires an USB cable (A-B) or an Ethernet cable.



<b>Absolute Maximum ratings</b>	
Maximum output current	1 A
Supply voltage	24 Vcc / 110~240 VCA
Temperature working range	0 – 70°C
Humidity	20-95% RH, non-condensing

<b>Size</b>	
Weight	4 Kg
Length	350 mm
Depth	70 mm
Width	205 mm

<b>Electronic features</b>			
Number of independent channels	2	Minimum current consumption	
Output voltage (to motors)	0 to $\pm 12$ V	Maximum current consumption (without motors)	
Program memory size	2000 lines x 80 characters	Clock speed	15 MHz

Specification are subject to change without notice

<b>“Lens control” connector pin list</b>				
1	Zoom 1 +5V		23	N.C.
2	Zoom 2 +5V		24	N.C.
3	Iris +5V		25	N.C.
4	Focus +5V		26	N.C.
5	Zoom 1 GND		27	N.C.
6	Zoom 2 GND		28	N.C.
7	Iris GND		29	Zoom 1 CHA+
8	Focus GND		30	Zoom 1 CHA-
9	Zoom 1 Mot+		31	Zoom 1 CHB+
10	Zoom 1 Mot-		32	Zoom 1 CHB-
11	Zoom 2 Mot+		33	Zoom 2 CHA+
12	Zoom 2 Mot-		34	Zoom 2 CHA-
13	Iris Mot+		35	Zoom 2 CHB+
14	Iris Mot-		36	Zoom 2 CHB-
15	Focus Mot+		37	Iris CHA+
16	Focus Mot-		38	Iris CHA-
17	Zoom 1 Home		39	Iris CHB+
18	Zoom 2 Home		40	Iris CHB-
19	Iris Home		41	Focus CHA+
20	Focus Home		42	Focus CHA-
21	N.C.		43	Focus CHB+
22	N.C.		44	Focus CHB-