



Features

- 2 Phase Stepper Controller
- 2Amp Settable Phase Current
- 200-3200 SPR Phase Resolution
- Isolated USB Port
- 2 Limit Switch Inputs
- 3 Digital Inputs
- 2 Relay Outputs
- Stand-Alone Operation Ready
- Pulse & Direction Controlled ready
- GO/DIR/SPD Manual Controlled ready
- DIN-Rail Mounted ready

Introduction

The IA-3352 is an Isolated USB, 2Amp, Intelligent Stepper Controller Driver.

The IA-3352 has four operation modes. It can be controlled through its isolated USB port. It can be controlled through its Clock and Direction Inputs. It can be controlled through its GO and Direction Inputs, and it can operate in a Stand-Alone mode.

While operated in its stand-alone mode it can be synchronized through its Digital Inputs and can handshake or operate other systems through its on board relays.

The IA-3352 includes two Limit Switch Inputs and three General Digital Inputs that can be used both for remote monitoring and for its Stand-Alone operation.

Motor Phase Resolution and Motor Phase Current can be easily set by a software configuration utility or user command.

Specifications

Controller

Communication Operation modes	Isolated USB port Stand-alone / Manual / Pulse & Dir
Digital inputs	2 Limit switches + 3 General inputs
Relays	2 Channels, 2Amp @ 30VDC

Driver

Motor type	2 Phase stepper motor
Phase current	2Amp
Phase resolution	200-3200 SPR

General

Supply voltage	12-24VDC
Size	115x75x23mm
Weight	120gr

Operation Modes

1. Host operated via it on board USB port.
2. Stand-Alone operation mode configured via its on board USB port.
3. Pulse & Direction Controlled mode.
4. Manual Controlled mode.

Wiring Table

	USB Controlled	Manual Controlled	CK&DIR Controlled
1	Digital Input #1	GO	CK
2	Digital Input #2	DIR	DIR
3	Digital Input #3	SPD	
4	Positive Limit Switch		
5	Negative Limit Switch		
6	GND		
7	Motor PH A		
8	Motor PH /A		
9	Motor PH B		
10	Motor PH /B		
11	Power-Supply Positive Pin		
12	Power-Supply Negative Pin (GND)		

Features Control Registers

REG #50		REG #51	
7	Enable BR change	7	CK&DIR Mode
6		6	Manual Mode
5	Slow Down (Pin #2)	5	CK Out (Pin #3)
4		4	Limit Switch LOGIC
3		3	
2		2	
1	Enable Error Messages	1	Step Resolution bit #1
0		0	Step Resolution bit #0

Ordering Information

- IA-3352-U
Intelligent USB Stepper Controller Driver
USB Cable and installation CD Included