

BEAMLINE COMPONENTS

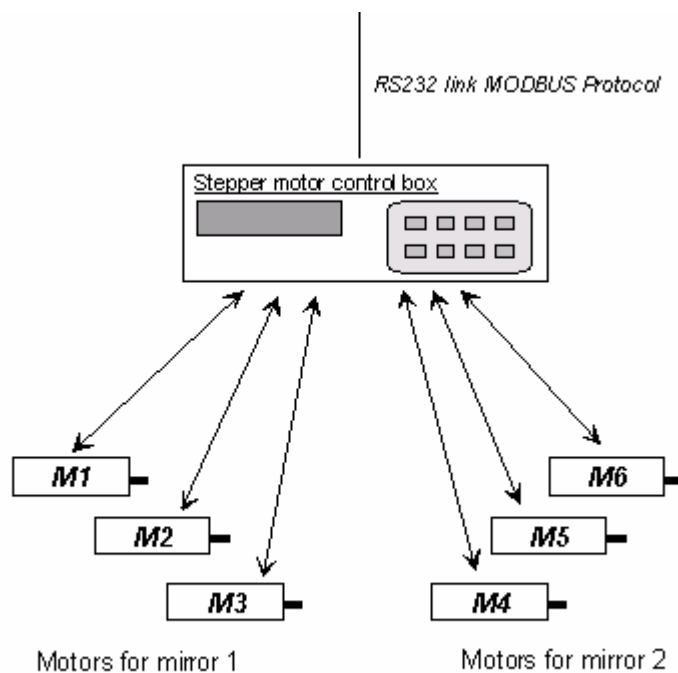
MIRRORS CONTROLLER FOR MIRROR-HOLDERS AND BENDERS

Purpose

The controller allows :

- operation of stepping motors for mirror-holders and benders
- acquisition of thermocouple signal in contact with the In/Ga bath
- acquisition of the signal of the strength gauges of the bender.

Communication port provides a universal connection to any computer.



Design Features

Motor controller	<ul style="list-style-type: none">- 2 to 14 4-phases stepping motors control- for each motor : one origin switch and two limit switches input- RS 232, 422 or 485 interface- backlash compensation for each axis- automatic home position- internal safety sub-routine on limit switches- short-circuit and over temperature protection on each motor- full or half step- default detection and transmission to the supervisor- adjustable current reduction
Analog input	<ul style="list-style-type: none">- 4 analog inputs- 0-10 V input - 12 bits- short-circuit protection

Key Features

Characteristics	Main 110 to 240 AC - 50-60 Hz maximum power 3 kVA
	Input and output 2 A - 48 V per phase opto-isolated input for limit and origin switches
Overall dimensions	19" command box - 10 U
Weight	15 kg
Connection	20 m shielded cable per axis including motors and switches ITT Cannon connectors at each extremity

IRELEC is specialised in the supply of :

- components for beamlines (mirror-holders, bending systems, mirrors, control systems, ...) and complete beamlines
- scientific equipment

IRELEC reserves the right to change these specifications without prior advice in the scope of the improvement of the product

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