

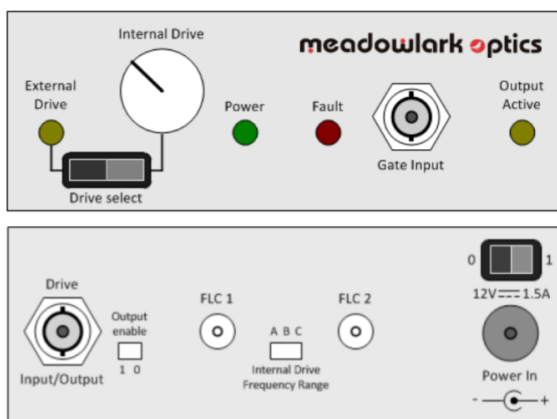
Ferroelectric Liquid Crystal Controller

The FCS010 is a two-channel liquid crystal controller specifically designed to drive our ferroelectric liquid crystal shutters and rotators. It has two short-circuit protected output channels driven 180 degrees out of phase.

The pre-configured controller waveforms are optimized for FLC devices. We can tailor the waveform to your specific needs based on application and purchased FLC device. The drive waveform is output through SMA connectors. This controller is 100% RoHS compliant and is powered by a separate 12V international power supply.

SPECIFICATIONS	
Dimensions	5.3 in. W x 5.3 in. L x 2.0 in. H 13.5 cm W x 13.5 cm L x 5.1 cm H
Number of LC Channels	Two, running identical programs 180° out of phase
Output Waveform	Bipolar $\pm 15V$ peak voltage, $\pm 10V$ holding voltage
Amplitude Resolution	16-bit; 1 mV voltage resolution
Internal Drive	1 to 10,000 Hz, 50% duty cycle, frequency controlled by front-panel 10-turn knob

ORDERING INFORMATION	
Ferroelectric Liquid Crystal Controller	FCS010



Compact, rugged, light weight – 5.3 x 5.3 x 2 in. form factor



Key Features

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- Automatically DC balances
- External modulation
- 10V output
- Gate input
- Drive I/O
- Frequency range 1 Hz – 10 kHz

Liquid Crystal Suite

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- Variable Retarders**
- Liquid Crystal Variable Retarder
- UV Variable Retarder
- MWIR Variable Retarder
- OEM LCVR

Rotators

- Achromatic High Speed Rotator
- Binary Rotator
- Polarization Rotator

Shutters / Attenuators

- Achromatic High Speed Shutter
- High Contrast Shutter
- Variable Attenuator

Controllers

- Analog Controller
- FLC Controller
- LC Digital Interface Controller
- Temperature Controller
- Two Channel High Voltage Controller