

Temperature Controller – TC3051

The Meadowlark Optics TC3051 is a single channel, microprocessor based temperature controller specifically designed to work with Meadowlark Optics' liquid crystal devices equipped with the Temperature Sensing and Control (TSC) option.

The TC3051 requires minimal setup:

1. Connect the included power supply.
2. Connect the temperature control cable to both the TC3051 and the liquid crystal device.
3. Turn the power on.

SPECIFICATIONS

Requirements	100 – 240V ac, 47 – 63 Hz, 500 mA
Fuse	Internal (not user serviceable)
Environment	0°C to + 50°C (Operating) -55°C to + 100°C (Storage)
External Dimensions (W x D x H)	5.08 x 5.25 x 1.50 in. (12.90 x 13.33 x 3.81 cm)
Weight	lb. (0.45 kg)
Temperature Readout Resolution	1°C
Temperature Readout Range	0°C to 99°C
Setpoint Resolution	1°C
Setpoint Range	20°C to 60°C

ORDERING INFORMATION

Temperature Controller	TC3051
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Key Features

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Stand Alone

LED Display

1 Channel Temperature Control

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