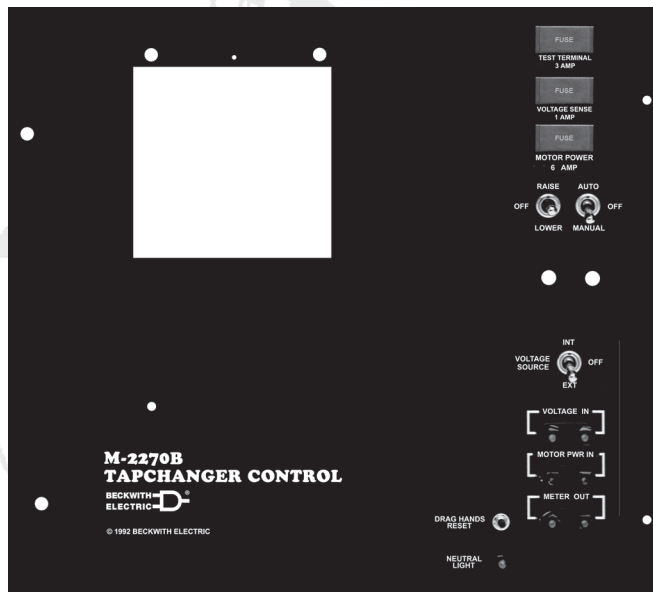


Adapter Panel M-2270B

**Adapts M-2001 Series Digital Tapchanger Control
s a General Replacement for Transformer
and Regulator Controls**



- Provides mounting adaptable to several different configurations
- Provides built-in CT shorting protection when the M-2001 Series Digital Tapchanger Control is removed
- Optional SCADA Cutout (Local/Remote) switch allows Local Blocking of SCADA commands (for use with SCADA enabled M-2001C controls)
- Optional SCAMP™ (SCADA Controlled Auto/Manual Pushbutton) replaces AUTO/OFF/MANUAL toggle switch
- Optional 2 Level Local Voltage Reduction switch
- Optional 19" Rack Mount Adapter Panel Kit

M-2270B Adapter Panel

The M-2270B is an adapter panel which, when combined with the M-2001 Series Digital Tapchanger Control, can be customized to fit as a replacement for a variety of manufacturers' LTC transformers and regulator controls.

Interface

External connections are made to two terminal blocks located on the rear of the adapter panel. The second terminal block provides access to auxiliary functions, including self-test alarm, user-programmable alarm, auto disable and manual raise/lower.

Features

Separate fuses for test terminal, voltage sensing and motor power are on the front panel. Spare fuses for each are in the fuse holder.

Binding posts on the front panel allow easy connections for test procedures.

RAISE/OFF/LOWER, AUTO/OFF/MANUAL and **VOLTAGE SOURCE** switches, **DRAG HANDS RESET** button, and **NEUTRAL LIGHT** are standard.

NEUTRAL LIGHT will light to indicate that the regulator is in the neutral position when used with regulators which provide a circuit for this purpose.

Options

SCADA CUTOOUT switch allows Local blocking of SCADA commands (for use with SCADA enabled M-2001C controls). Use of the SCADA Cutout Switch with the M-2001C, requires a M-2001C Control with firmware version D-0146V08.01.22 or later installed.

SCAMPTM (SCADA Controlled Auto/Manual Pushbutton) allows the Auto/Manual state on the adapter panel to be changed by a SCADA command. Use of the SCAMP pushbutton with the M-2001C, requires a M-2001C Control with firmware version D-0146V08.05.XX or later installed.

Voltage Reduction switch allows 2 levels of Voltage Reduction to be selected.

19" Rack Mount Adapter Panel Kit (B-1569) allows mounting the M-2270B and M-2001 series control in a 19", 8U rack application.

Testing Specifications

High Voltage: All input and output terminals will withstand 1500 Vac rms to chassis or instrument ground for one minute with a leakage current not to exceed 25 mA, for all terminals to ground. Input and output circuits are electrically isolated from each other, from other circuits and from ground.

Surge Withstand Capability: All input and output circuits are protected against system transients. Units pass all requirements of ANSI/IEEE C.37.90.1-1989 defining surge withstand capability.

Radiated Electromagnetic Withstand Capability: All units are protected against electromagnetic radiated interference from portable communications transceivers.

Environmental

Temperature Range: Functionality is maintained from -40° to +85° C.

Humidity: Functionality is maintained under 95% relative humidity (non-condensing).

Fungus Resistance: A conformal printed circuit board coating inhibits fungus growth.

Physical

Size with M-2001 Series Digital Tapchanger Control: 12-1/4" high x 12-1/2" wide x 4-1/8" deep (31.1 cm x 31.8 cm x 10.5 cm).

M-2270B Adapter Panel

Size with 19" Rack Mount Adapter Panel and M-2001 Series Digital Tapchanger Control: 13.96" high x 19" wide x 4.22" deep
(35.46 cm x 48.26 cm x 10.72 cm).

Approximate Weight: 3 lbs, 5 oz (1.5 kg)

Approximate Shipping Weight: 6 lbs (2.7 kg)

Approximate Weight with Optional 19" Rack Mount Adapter Panel: 4 lbs, 8 oz (2 kg)

Approximate Shipping Weight with Optional 19" Rack Mount Adapter Panel: 8 lbs, 8 oz (3.9 kg)

Approximate Weight with M-2001 Series Digital Tapchanger Control: 12 lbs, 5 oz (5.67 kg)

Approximate Shipping Weight with M-2001 Series Digital Tapchanger Control: 17 lbs (7.71 kg)

Warranty

The M-2270B Adapter Panel and optional 19" Rack Mount Adapter Panel are covered by a five year warranty from date of shipment.

Specification subject to change without notice.

Trademarks

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Specification subject to change without notice. Beckwith Electric has approved only the English version of this document.



BECKWITH ELECTRIC

6190 118th Avenue North • Largo, Florida 33773-3724 U.S.A.

PHONE (727) 544-2326

beckwithelectricssupport@hubbell.com

www.beckwithelectric.com

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