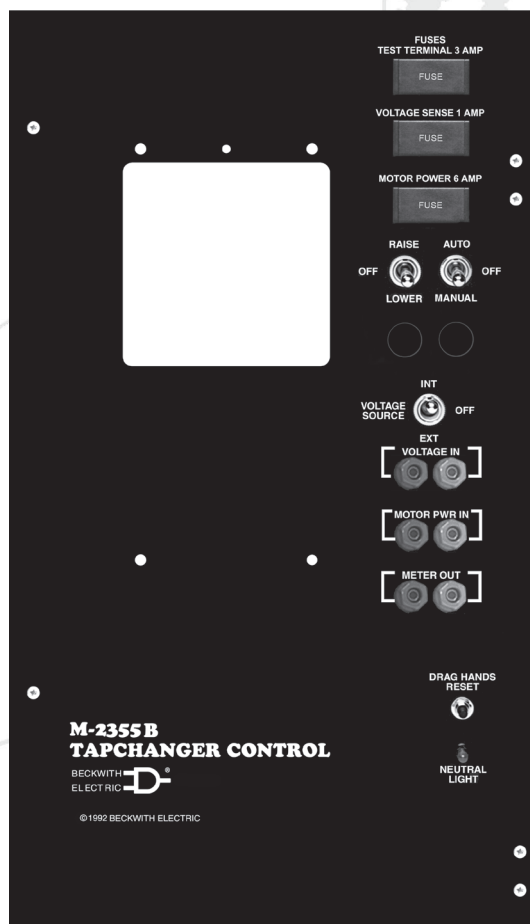


M-2355B Adapter Panel

Adapts M-2001 Series Digital Tapchanger Control to Replace Cooper CL-2, CL-2A, CL-4A, CL-4B, and CL-4C Regulator Controls



- Connects easily to the M-2001 Series Digital Tapchanger Control using mounting screws and 24-pin connector
- Fits directly into existing regulator control cabinet using the same two hinge pins
- Provides built-in CT shorting protection when the M-2001 Series Digital Tapchanger Control is removed
- Optional SCADA Cutout (LOCAL/REMOTE) switch (for use with SCADA enabled M-2001C controls) allows Local Blocking of SCADA commands
- Optional SCAMP™ (SCADA Controllable AUTO/MANUAL Pushbutton) switch replaces AUTO/OFF/MANUAL toggle switch
- Optional 2 level Local Voltage Reduction switch

M-2355B Adapter Panel – Specification

The M-2355B is an adapter panel which, when combined with the M-2001 Series Digital Tapchanger Control, provides convenient direct replacement for Cooper (formerly McGraw-Edison) CL-2, CL-2A, CL-4A, CL-4B, and CL-4C regulator controls. The M-2355B consists of a front door panel with hinge leaves on the right side. It mounts into the control cabinet using the same two hinge pins, which **must be saved** from the original control.

Interface

External connections are made using a wiring harness that connects from a fifteen-position terminal block to the terminal block in the existing control cabinet. An additional terminal block provides 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** pushbutton, and **NEUTRAL LIGHT** are standard.

NEUTRAL LIGHT will light to indicate that the regulator or transformer is in the neutral position, for those products equipped with a circuit for this purpose.

Contains circuitry necessary for motor current seal-in.

Options

SCADA Cutout (LOCAL/REMOTE) switch allows local blocking of SCADA commands (for use with SCADA enabled M-2001C controls). The SCADA Cutout switch must be used with a M-2001 Series Control with firmware version D-0146V08.01.22 or later installed.

SCAMP™ (AUTO/MANUAL) pushbutton switch allows the Auto/Manual state on the adapter panel to be changed by a SCADA command. The SCAMP pushbutton switch must be used with a M-2001 Series Control with firmware version D-0146V08.05.XX or later installed.

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

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:

17-7/8" high x 10-1/8" wide x 4-1/8" deep (45.4 cm x 25.7 cm x 10.5 cm)

Approximate Weight: 4 lbs (1.81 kg)

Approximate Shipping Weight: 7 lbs (3.18 kg)

Approximate Weight with M-2001 Series Digital Tapchanger Control: 7 lbs, 11 oz (3.49 kg)

Approximate Shipping Weight with M-2001 Series Digital Tapchanger Control: 12 lbs, 11 oz (5.75 kg)

Warranty

The M-2355B Adapter Panel is 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.



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