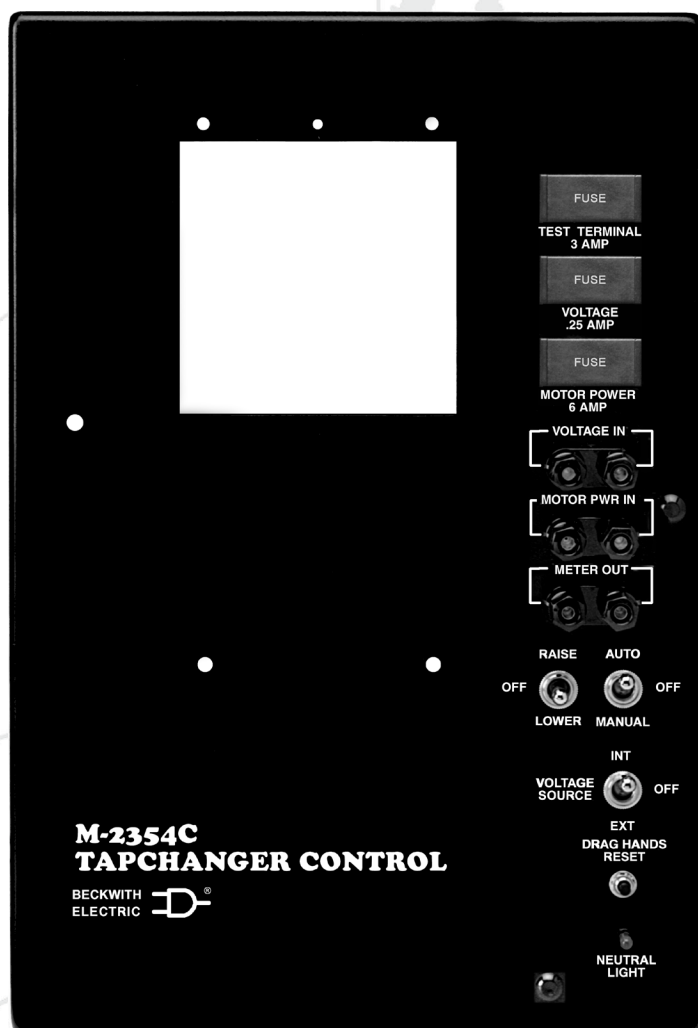


Adapter Panel M-2354C

**Adapts M-2001 Series Digital Tapchanger
Control to Replace McGraw-Edison 550 BHS
LTC Transformer Controls**



- Connects easily to the M-2001 Series Digital Tapchanger Control using mounting screws and 24-pin connector
- Provides direct mechanical replacement of the existing control using the same two hinge pins
- Provides built-in CT shorting protection when the M-2001 Series Digital Tapchanger Control is removed

M-2354C Adapter Panel – Specification

The M-2354C is an adapter panel which, when combined with the M-2001 Series Digital Tapchanger Control, provides convenient direct replacement of McGraw-Edison 550 BHS LTC transformer controls. The M-2354C consists of a front panel, and mounts into the control cabinet. The hinge hardware, knob, and the mounting hardware *must be saved* from the original control.

Interface

External connections are made via a wiring harness that connects from a fifteen-position terminal block to the two terminal blocks on the existing control cabinet. An additional terminal block provides access to auxiliary functions, including self-test alarm, user-programmable alarm, auto disable and manual raise/lower. An auxiliary current transformer is supplied to convert the 5 A load current into the 0.2 A used by the control.

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 or transformer is in the neutral position, for those products equipped with a circuit for this purpose.

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:

15" high x 9-1/4" wide x 4-1/8" deep (38.1 cm x 23.5 cm x 10.5 cm)

Approximate Weight: 2 lbs, 7 oz (1.11 kg)

Approximate Shipping Weight: 5 lbs, 7 oz (2.47 kg)

Approximate Weight with M-2001 Series Digital Tapchanger Control: 6 lbs, 12 oz (3.06 kg)

Approximate Shipping Weight with M-2001 Series Digital Tapchanger Control: 11 lbs, 7 oz (5.19 kg)

Warranty

The M-2354C Adapter Panel is covered by a five year warranty from date of shipment.

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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