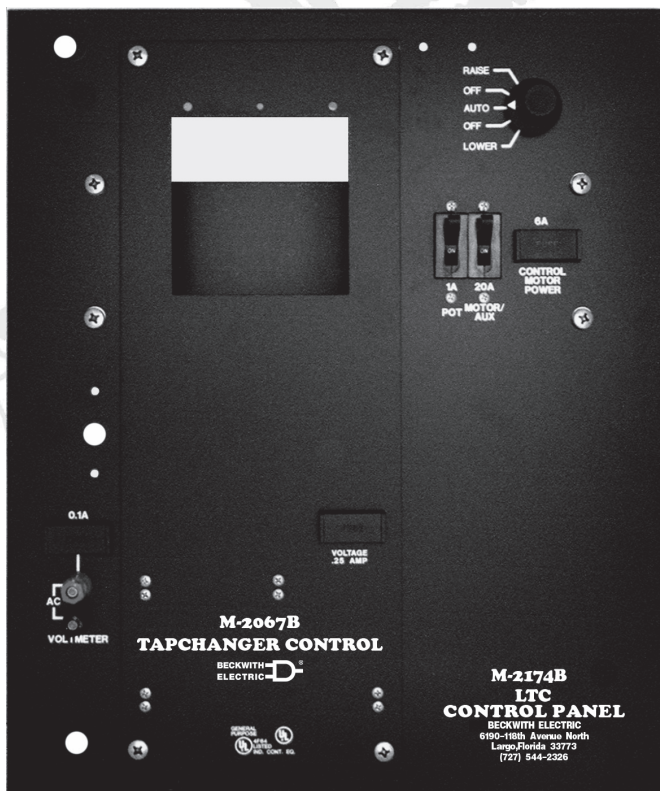


# Replacement Panel M-2174B

**Adapts M-2001 Series Digital Tapchanger Control  
to Replace Moloney/Tempo LTC Control Panel**



- **Connects easily to the M-2001 Series Digital Tapchanger Control using mounting screws and 24-pin connector**
- **Fits directly into existing LTC control cabinet using the same door mounting hardware from the original panel**
- **Provides built-in CT shorting protection when the M-2001 Series Digital Tapchanger Control is removed**

The M-2174B is a replacement panel which, when combined with the M-2001 Series Digital Tapchanger Control, provides convenient direct replacement for Tempo (Moloney) LTC Control Panels. The M-2174B hardware consists of a front panel with a hinge on the right side, and mounts into the control cabinet using the same door mounting hardware which must be saved from the original panel. The door mounting hardware consists of either a locking handle, or two thumbscrews, depending on the original panel configuration.

The M-2174B features a voltmeter testing terminal, circuit breakers for the motor and for the voltage transformer, a manual **RAISE/OFF/AUTO/OFF/LOWER** switch, and a fuse for control motor power.

The M-2174B also includes the M-2067B Adapter Panel, which contains a voltage fuse and two terminal blocks on the rear for external connections,

## Interface

External connections are made to two terminal blocks located on the rear of the M-2067B Adapter Panel. An additional terminal block provides access to auxiliary functions, including self-test alarm, user-programmable alarm, manual raise/lower, and operations counter.

## 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:** 18" high x 15-1/4" wide (45.7 cm x 38.7 cm), fits box with outside dimensions of 17-7/8" high x 15-7/64" wide (45.4 cm x 38.4 cm)

**Approximate Weight:** 15 lbs (6.8 kg)

**Approximate Shipping Weight:** 18 lbs (8.2 kg)

**Approximate Weight with M-2001 Series Digital Tapchanger Control:** 18 lbs, 11 oz (8.5 kg)

## Warranty

The M-2174B Adapter Panel is covered by a five year warranty from date of shipment.

*Specification is subject to change without notice.*

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