

Adapter Panel M-2069

Adapts M-2001C or M-2001D Digital Tapchanger Control to Replace Westinghouse SVC and SVR Controls, Beckwith Electric M-0067E Tapchanger Controls and M-2067B Adapter Panels, or as a General Purpose LTC Transformer Control



- Connects easily to the M-2001 Series Digital Tapchanger Control using four mounting screws and 24-pin connector
- Provides mounting adaptable to several different configurations
- Provides built-in CT shorting protection when the M-2001 Series Tapchanger Control is removed
- SCADA Cutout (Local/Remote) switch allows Local Blocking of SCADA commands (for use with SCADA enabled M-2001C and D controls)
- Convenient Auto/Off/Manual and Raise/Lower Switches for toggling between Automatic mode and Manual (local) mode to adjust the tapchanger position from the front panel

M-2069 Adapter Panel – Specification

The M-2069 is an adapter panel which, when combined with the M-2001C or M-2001D Digital Tapchanger Control, provides convenient direct replacement for Westinghouse SVC and SVR controls and Beckwith Electric M-0067E controls. The M-2069 can also be used, with the M-2001 Series Tapchanger Control, as a general purpose LTC transformer control. The M-2069 permits changing of the M-2001 control without adapter panel removal or rewiring.

Interface

External connections are made to two terminal blocks located on the rear of the adapter panel. The second terminal block provides auxiliary functions, including self-test alarm, user-programmable alarm, manual raise/lower, operations counter and ΔVAr 2 disable.

Front Panel Controls

AUTO/OFF/MANUAL: toggles between Auto operation of the control and Manual operation that enables tapchanger adjustment from the front panel using the Raise/Lower toggle switch.

RAISE/LOWER: allows local manual Raise and Lower commands to be initiated in Manual mode.

LOCAL/REMOTE (SCADA CUTOFF): allows Local blocking of SCADA commands.

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.

Control Accuracy Specification: All units comply with ANSI/IEEE C57.15-1986 defining control accuracy of operation.

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 Tapchanger Control: Overall dimensions are 16-1/2" high x 6-3/8" wide x 3-3/8" deep (41.9 cm x 16.2 cm x 8.6 cm); requires a panel cutout of 15-1/8" x 5-7/8" (38.4 cm x 14.9 cm)

Approximate Weight: 2 lbs. (0.91 kg)

Approximate Shipping Weight: 5 lbs. (2.27 kg)

Approximate Weight with M-2001 Series Tapchanger Control: 5 lbs., 11 oz. (2.58 kg)

Approximate Shipping Weight with M-2001 Series Tapchanger Control: 10 lbs., 11 oz. (4.85 kg)

Warranty

The M-2069 Adapter Panel is covered by a five year warranty from date of shipment.

Specification subject to change without notice.

Trademarks

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