M-2051 and M-2052 Connection Harness

By Beckwith Electric
Catalog # M-2051

The Beckwith Electric M-2051/M-2502 Connection Harness, used in conjunction with the M-2001 Series Digital Tapchanger Control, uses modern electronic digital design and digital processing circuitry to achieve an overall stability and resolution unattainable with electromechanical and analog design tapchanger controls. CMOS semiconductors are used throughout the design. Standard Features The M-2051/M-2502 Connection Harness, with the M-2001 Series Digital Tapchanger Control, provides a solid-state voltage control relay intended for applications involving the control of tapchanging transformers and regulators. The combination of the Tapchanger Control and Connection Harness includes the following features:

Features

- Voltage waveform sampling and digital processing circuitry ensure accurate rms voltage sensing in the presence of distortion on the input voltage and current.
- Accuracy exceeds the ANSI/IEEE C57.15-1986 Class 1 specification over the temperature range of -40° to + 80° Celsius.
- Input and output circuits are protected against system transients. Units pass all requirements of ANSI/IEEE C37.90.1-1989, which defines surge withstand capability. All input and output terminals will withstand 1500 V ac 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.
- A voltage sensing fuse and a spare fuse are provided.
- The M-2051/M-2052 is a general purpose connection harness that is designed to be mounted on a panel.

Application

LTC Transformer Controls

General

Catalog Number	M-2051

Product Assets

Technical Publications - M-2051/M-2052 Connection Harness