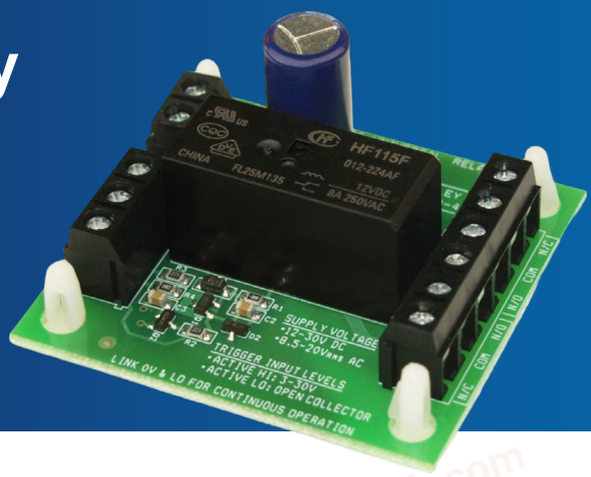
chanhvinh.com

X10832

Variable AC Voltage Regulators

Ultra Universal Relay

AT-182



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KEY FEATURES:

- ✓ **Wide Voltage Range:** Operates seamlessly with input voltages from 9.5V to 30V AC or DC without manual adjustments.
- ✓ **Dual Functionality:** Combines the UNIVERSAL relay and TRANSISTORISED relay (TRM) in one unit, offering greater versatility.
- ✓ **Automatic Voltage Detection:** No need to cut links or set input voltage; the unit automatically adjusts to the correct voltage.
- ✓ **High Switching Capacity:** Capable of switching over 1kW of mains lighting with a double pole relay.
- ✓ **Compact Design**
- ✓ **Robust Build**

APPLICATIONS:

Ideal for a diverse range of applications, including:

- ➢ Lighting Control
- ➢ Automation Systems
- ➢ Security Systems
- ➢ Industrial Machinery
- ➢ HVAC Systems
- ➢ General Electrical Switching

The **AT-182 Ultra Universal Relay** is a highly versatile and robust solution that combines the functionality of two popular relay modules: the UNIVERSAL relay and the TRANSISTORISED relay (TRM). This cutting-edge unit is designed to operate efficiently across a wide voltage range, accepting inputs from 9.5V to 30V AC or DC without requiring manual adjustments. The automatic input voltage detection ensures seamless operation and ease of use, eliminating the need for link cutting or voltage setting.

Ideal for a variety of applications, the AT-182 can be controlled by both high current sources and low current triggers, such as communicator ports or logic outputs, thanks to its transistorized trigger input connections. The double pole relay is capable of switching over 1kW of mains lighting, making it a powerful and reliable choice for demanding environments.

Key features include a high current source input that supports both AC and DC voltages, and the ability to handle positive or negative transistorized input triggers. This ultra-universal relay effectively replaces the need to stock multiple dedicated relays, such as 12V, 24V, and transistorized relays, providing a comprehensive all-in-one solution.

TECHNICAL SPECIFICATIONS

Operating Voltage Input	9.5V to 30V AC or DC
Trigger Levels	**HIGH:** 2V to 16V DC
	LOW: -0.8V to +0.8V DC
Output Levels	**Relay Switching Voltage:** 5V to 240V AC
	Relay Switching Current (AC or DC): 10mA to 5 Amps
Dimensions	51.9mm (L) x 47.8mm (W) x 27mm (H)
Packing Weight	72 grams
Includes	Protective carton, 4 self-adhesive fixers, and full instructions

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Ultra Universal Relay

AT-182

RECOMMENDATIONS

DOCUMENTS

Other documents available on request, which may be appropriate for your application:

Code	Identity	Description
X10255	SRA	Safety Requirements: Addressing the Low Voltage Directive (LVD) including, Thermal Data/Cooling, Live Parts Warning, Earthing Requirements and Fusing Recommendations
P01.1	COS	UAL Conditions of Sale

It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding the safety of electrical equipment. For International standards refer STANDARDS on D of C.

PRODUCT CODE AND RELATED PRODUCT CODE

Product Code	Product Description
A-AT-182	Ultra Universal Relay

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