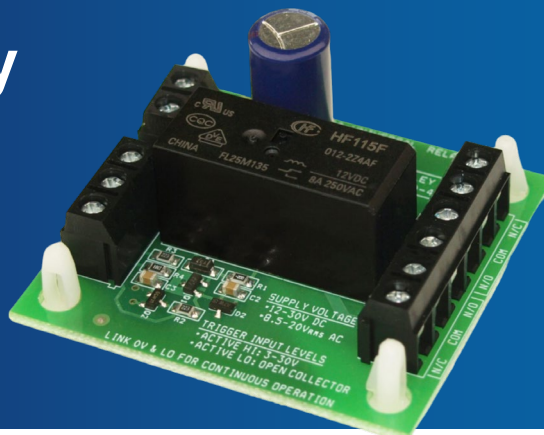


Ultra Universal Relay

AT-182



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KEY FEATURES:

- ✓ **Wide Voltage Range:**
Operates seamlessly from 9.5V to 30V AC or DC, no manual adjustment needed.
- ✓ **Dual Functionality:**
Combines UNIVERSAL and TRANSISTORISED relays in one unit for greater versatility.
- ✓ **Automatic Voltage Detection:** Automatically adjusts to the correct voltage without manual setting.
- ✓ **High Switching Capacity:**
Can switch 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 transistorised 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 transistorised input triggers. This ultra-universal relay effectively replaces the need to stock multiple dedicated relays, such as 12V, 24V, and transistorised 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

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

YOU MUST READ THIS BEFORE INSTALLATION

 ELECTRICAL SAFETY	 INSTALLATION REQUIREMENTS	 USER RESTRICTIONS	 USAGE ENVIRONMENT	 HOT SURFACE WARNING
WARNING: RISK OF ELECTRIC SHOCK Always consult the Installation & Maintenance Instructions before connecting this product to the power supply. WARNING: Disconnect Power Before Servicing Ensure the electrical supply is safely disconnected before connecting to any supply, load, or control terminals.	WARNING: Installation by Qualified Personnel Only This product must only be installed or fitted by a competent, qualified installer familiar with the relevant electrical standards and installation practices.	WARNING: Not for Use by Vulnerable Individuals This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or instructed by a person responsible for their safety.	WARNING: Industrial Use Only This is an industrial-grade product and is not intended for household use.	WARNING: Hot Surfaces On certain models, surfaces marked with this symbol become hot during use. Avoid direct contact and follow all thermal safety precautions.