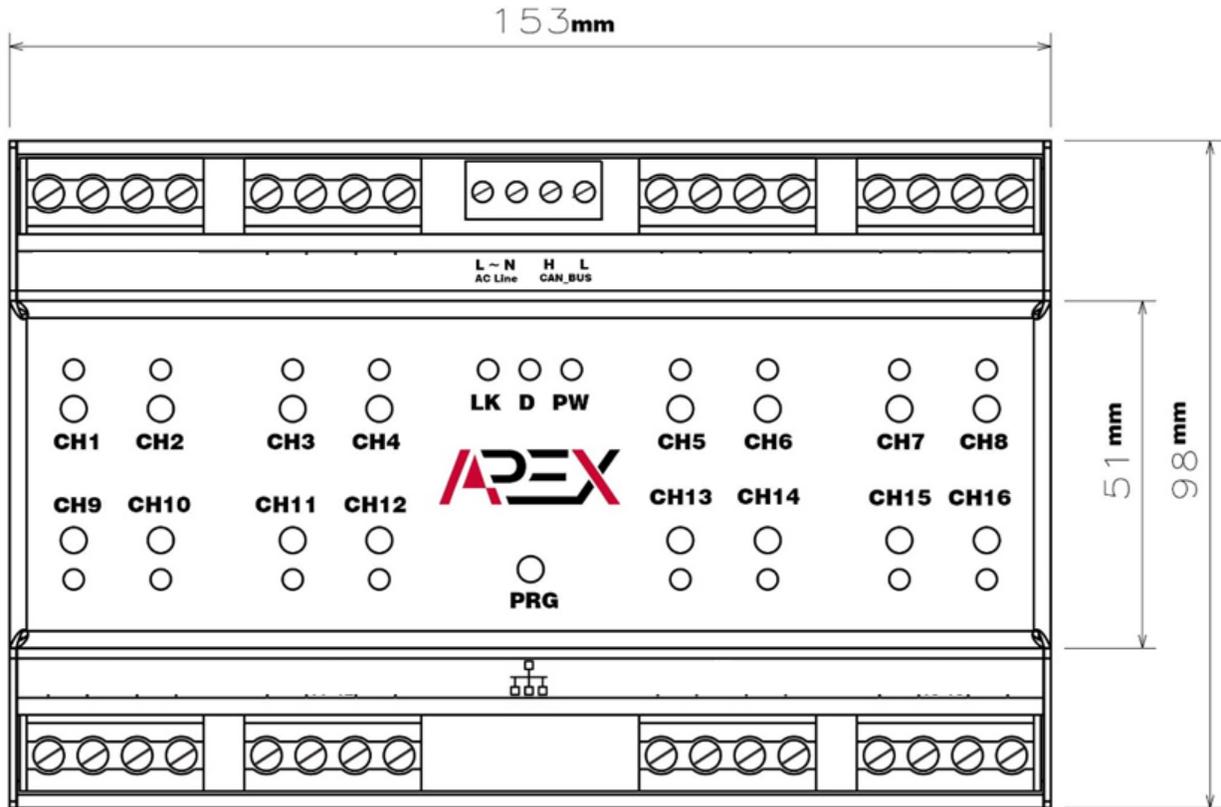


Multi-function relay module (LIGHTING, CURTAIN, FAN COIL) G3 Series (SDDP support, AC power supply)



The ultimate solution for controlling up to sixteen high in-rush loads. Designed to handle a diverse array of load types, this versatile relay module supports incandescent, halogen, electronic low-voltage transformers, magnetic low-voltage transformers, fluorescents, compact fluorescents, LEDs, and motors. Whether you're automating lighting, motorized curtains, or HVAC systems, the APX-1616-RL-V2 offers unmatched flexibility and performance

Key Features:

- **High In-Rush Load Capacity:** Handles C-loads up to 750A in 10ms, ensuring reliable performance even under heavy loads.
- **Manual Control:** Equipped with manual push buttons for each channel, providing straightforward control and override options.
- **Channel Status Indicators:** Each channel features status LEDs, clearly indicating whether a load is ON or OFF at a glance.
- **Versatile Configuration:** Can be configured for switch control, curtain control, or three-speed fan coil applications, with or without valve control, making it ideal for a wide range of applications.
- **SDDP Support:** Integrates seamlessly with Smart Device Discovery Protocol (SDDP), enhancing compatibility with various automation systems.
- **CAN-BUS Connectivity:** Includes a CAN-BUS port for easy integration with other APEX products, such as wall-mounted devices or additional DIN-Rail modules.

Elevate your automation capabilities with the APEX DIN-Rail 16-Channel Relay Module. Its robust design, versatile functionality, and seamless integration make it the perfect choice for managing complex electrical loads with ease and precision.

Specifications:

Model number	APX-1616-RL
Power requirement	110~240VAC (selectable)
Power consumption	<3W
Supported load type	Incandescent, halogen, electronic low-voltage transformers (ELV), magnetic low-voltage transformers (MLV), fluorescents, compact fluorescents, LEDs, Curtain motor, Three speed fan coils, electrical valve, DC loads
Control communication	ETHERNET, CAN-BUS
Max resistive load rate per channel	16A 16A/1HP
Operational temperature	-10 to 60 °C
Humidity	5% to 95% non-condensing
Weight	0.85kg

LED STATUS

LK	<ul style="list-style-type: none"> • Red: Ethernet not connected. • Green: Ethernet connected, acquiring DHCP IP. • Yellow: Ethernet connected, acquired DHCP IP, and connected to the host. • Blue: Ethernet connected, using STATIC IP. • Purple: Ethernet connected, using STATIC IP, and connected to the host.
D	Indicates the transmission and reception of messages via Ethernet or CAN-BUS.
PW	<ul style="list-style-type: none"> • Fast Blinking: Not connected to the network. • Slow Blinking: Ethernet cable connected, attempting to obtain an IP address. • Very Slow Blinking: Module connected to the network with a valid IP address.

PRG Push Button Functions

SDDP Identify

- Press and hold the PRG button for 4 seconds to initiate SDDP (Simple Device Discovery Protocol) identification.

Factory Reset

- Press and hold the PRG button for 12 seconds until the PW LED starts blinking fast.
- Release the button to reset the module to its factory settings.

Setting a Static IP Manually

1. Press and hold the Channel 16 push button for approximately 15 seconds.
2. When the Power (PW) LED starts blinking rapidly, release the button.
3. The module will restart and be assigned the IP address 192.168.1.150.

This process ensures your module is configured with a specific static IP address for reliable network communication.

IP Configuration Using the Built-in Web Page

If you need to change the module back to DHCP, you have two options:

1. **Reset to Factory Settings:**
 - This will revert all settings to their defaults, including network configurations.
2. **Using the Built-in Web Server:**
 - Browse to the module's current IP address (e.g., 192.168.1.150).
 - Open the configuration page.
 - Navigate to the network settings section.
 - You can then switch between static IP and DHCP by entering the desired IP, gateway, and subnet mask.

This flexibility ensures that you can easily manage your network settings to suit your needs.