

# GENERAL PURPOSE RELAYS

series  
**200**

series  
**210**

## SERIES 200 & 210 PRODUCT PROFILE

c3controls offers a full line of **General Purpose Relays** ("plug-in" relays), perfect for your control logic applications. Quick and economical to install, our relays allow for easy maintenance and assembly and come in a variety of base configurations. Options include LED indicators and manual lockable push buttons among others. Our relays meet UL, CSA, and IEC standards requirements making them suitable for global applications.



### INDUSTRIAL-GRADE GENERAL PURPOSE RELAYS: YOUR POWER ASSURANCE PARTNER

✓ <b>Proven</b>	Our relays meet UL, CSA, and IEC standards requirements making them suitable for global applications. 
✓ <b>Multiple Styles</b>	Our line of General Purpose Relays are available in Octal Base with pin terminals and Square Base with blade-style terminals.
✓ <b>Convenient Customization</b>	Our Series 210 Octal Base relays with pin style terminals are interchangeable with other commonly available relays.
✓ <b>Easy Reference</b>	Schematic diagrams and terminal markings are located on the relay for easy reference during installation.
✓ <b>Transparent Housing</b>	Allows you to see switching operations and the condition of the contacts.
✓ <b>Wide Range of Specifications</b>	Various pole combinations, such as SPDT, DPDT, 3PDT, and 4PDT, are in stock for same-day delivery, featuring a current rating up to 10A. Additionally, SPST, DPST, 3PST, 1 NO + NC contacts, and 1 NO Double break contacts are also offered; however, their availability is contingent on lead time and minimum order quantities.
✓ <b>Environmentally Safe</b>	Our AgNi contacts are cadmium-free and environmentally friendly.
✓ <b>Limited Lifetime Warranty*</b>	Every product is backed by our limited lifetime warranty—unmatched in the industry—bringing you quality components that perform in the most demanding applications.
✓ <b>Guaranteed Same-Day Shipping*</b>	Product availability reduces inventory and improves cash flow—saving you money. With c3controls any order for standard catalog items received by 6:00 pm ET is guaranteed to ship same-day.
✓ <b>Advantage Pricing</b>	Our approach to product development, manufacturing, and focus on servicing the OEM and Electrical Equipment Builder reduces cost. The result—the best value in the industry.

\*See c3controls Terms & Conditions

### UNIQUE FEATURES

#### Reliability Redefined

- Our General Purpose Relays ensure consistent, trouble-free performance for smooth system operation.

#### Enhanced Control and Safety

- Opt for our manual push button with an indicator for safe circuit checks without relay energization.

#### Quick Identification

- Relay coil voltages are printed for easy identification. Color-coded push buttons distinguish DC (blue) and AC (red) controls for simplified operation.

#### Marking Strips

- Marking plates at relays and sockets to provide easy identification, improving maintenance efficiency and minimizing errors.

#### Inbuilt Retainer Clips

- Built-in plastic retainer clips in relay sockets ensure secure and hassle-free relay installation and replacement.

#### Versatile Applications

- Our relays seamlessly adapt to industrial, commercial, and residential applications, making them the ideal choice for diverse settings.



**c3controls**<sup>®</sup>

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## SPECIFICATIONS

	UNITS	200-GP2C10**	210-GP2C10**
<b>CONTACTS</b>			
Maximum Switching Current	A	10	10
Maximum Peak Inrush Current (20 ms)	A	30	30
Maximum Switching Voltage	V	250	250
Maximum AC Load	kVA	2.5	2.5
Resistive Loads		10A@250VAC / 10A@30VDC	10A@250VAC / 10A@30VDC
Inductive Loads		7.5A@250VAC / 5A@ 30VDC	7.5A@250VAC / 5A@ 30VDC
Motor Loads		AC HP Rating 1/4, 240VAC DC HP Rating 1/10, 240VDC	AC HP Rating 1/4, 240VAC DC HP Rating 1/10, 240VDC
<b>INSULATION</b>			
Dielectric Strength (1 minute)			
Open Contacts	kV	2.5	1.5
Between Contacts and Coil	kV	2.5	2
Insulation Resistance @ 500 VDC	Ω	>3G	200M
<b>COILS (Ohms ±10% @20°C)</b>			
<b>VOLTAGE</b>	<b>Ω</b>	<b>200-GP2C10**</b>	<b>210-GP2C10**</b>
6V AC	12		
12V AC	50	13.3	
24V AC	190	52	
48V AC	785	240	
110/ 115V AC	3,880	1,120	
230V AC	17,400	5,600	
6V DC		33	
12V DC	160	115	
24V DC	640	480	
48V DC	2,600	1,850	
110V DC	13,600	9,000	
220V DC	54,000	29,000	
<b>SPECIFICATION</b>			
Ambient Temperature		-40°C to +70°C	
Mechanical Life Operations		10 Million AC, 20 Million DC	
Electrical Life Operations @ Nominal Load		>100,000	
Operating Frequency @ Nominal Load		1,200/ hour	
Protection		IP40	
Weight	gms	43	80
<b>ROHS COMPLIANCE</b>			
For RoHS compliance documentation by product, refer to c3controls.com			

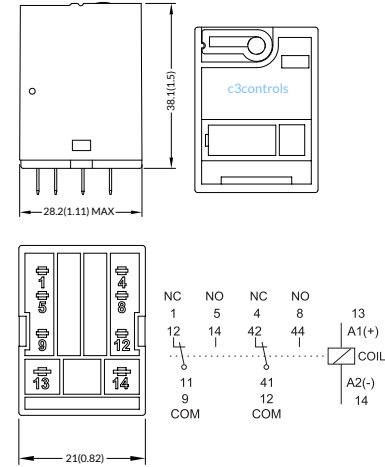
For complete ratings, detailed specifications, or to download product certifications visit c3controls.com

Terminal Style	Pole	Current	Contact Arrangement	Optional Features	Optional Features
Blade Style	1 Pole	10 Amps	SPDT*	AC: 6, 12, 24, 48, 115, 230V DC: 12, 24, 48, 110, 220V	LED Indicator Manual and Lockable Push Button RC Circuit Bridge Rectifier Freewheeling and Polarity Diode
	2 Pole	6 Amps / 10 Amps	DPDT*		
	4 Pole	6 Amps	4PDT		
Pin Style	2 Pole	10 Amps	DPDT*		
	3 Pole	10 Amps	3PDT*		

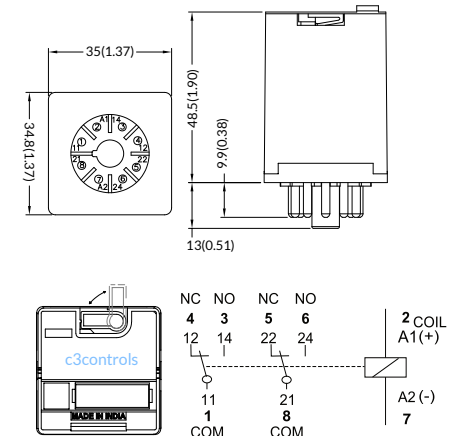
\*Note: Also available with SPST, DPST, 3PST, 1 NO + NC contacts, and 1 NO Double break contacts

## DIMENSIONS

200-GP2C10\*\*



210-GP2C10\*\*



## CERTIFICATIONS

**Conformity to Standards:**  
**GENERAL PURPOSE RELAYS**  
UL 508  
CSA C22.2 No. 14-18  
IEC/EN 61810-1:2008



**Certifications:**

UL File #: E224085

CE Marked (As per EU Low Voltage Directive 2014/35/EU, and RoHS Directive 2015/863/EU)

### SOCKETS

UL 508  
CSA C22.2 No. 14-18  
IEC/EN 61810-1:2008



UL File #: E236196

CE Marked (As per EU Low Voltage Directive 2014/35/EU, and RoHS Directive 2015/863/EU)

