

# NEMA Finger-Safe Relays and Finger-Safe Accessories

Rockwell Automation moves to increase workplace safety by adding IP2X finger-safety in the most popular line of Industrial Relays in North America. The Allen-Bradley 700P Relays have been driving industrial processes for over 25 years. They have a reputation in the industry as the workhorse behind process reliability. The addition of finger-safety will allow customers to incorporate the benefits of time proven performance with increased safety, global acceptance, and compliance with IP2X finger-safe standards.

- **Safety** – The 700P series D Standard Industrial and Safety Control Relays will be shipped complete with IP2X finger-safe covers installed. The **NEW** 700P will be the best choice for Relay applications when you are looking for Reliability, Durability, and now **Safety**.
- **Flexibility** – If you already have 700P Standard Industrial Relays installed, you can easily upgrade them to IP2X finger-safe standards with our full line of accessories. You can retrofit any 700-P or PK (Series B) AC Relay, and any 700DC-P or PK (series A, if produced after 1990), with the new finger-safe accessory covers. You can also upgrade any 700-PT timing relays or PL latching relays. Upgrades are fast and simple as top covers and deck covers can be installed **without** removing existing wiring. The coil cover does however require the wiring to be removed for installation. We have also added a new simplified relay identification opportunity through the installation of snap in markers. The new top covers have openings designed to accept our 1492-SM6X12 terminal block markers.



- **Accessibility** – With finger-safe covers installed, the 700P Relays are now actually easier and faster to wire.
- The color-coded contact markings, and terminal identification markers are still highly visible.
- Protective covers have not created any restrictions on wire sizes used.
- Contact terminal screws are easily accessed for wiring and continuity testing.
- The Finger-Safe Top Cover still allows you to activate the mechanical over-ride on standard Relays through the access hole in the cover.
- **Global Acceptance** – The addition of the IP2X finger-safe ratings adds a new level of global acceptance to the 700P Relay line of products. All products are fully rated to IEC and NEMA Standards, and are now IP2X finger-safe. This addition will allow global customers to benefit from the flexibility and superior performance of the 700P products over many IEC relays.

# Product Availability and Ordering Information

## Assembled Finger-Safe Relays

Description	Catalog Number
IP2X 700-P & 700DC-P, AC & DC Standard Relays	No change <sup>1</sup>
IP2X 700-PK & 700DC-PK, AC & DC Master Control Relays	No change <sup>1</sup>
IP2X 700S-P & 700S-DCP, AC & DC Safety Control Relays	No change <sup>1</sup>
IP2X 700-PT & 700DC-PT, AC & DC Pneumatic Timing Relays	No change <sup>1</sup>
IP2X 700-PL & 700DC-PL, AC & DC Relays with Mechanical Latch	No change <sup>1</sup> (Available June 2003)
IP2X 700-PR & 700DC-PR, AC & DC Logic Reed Relays	No change <sup>1</sup>
IP2X 700-PZ & 700DC-PZ, AC & DC Overlapping Contact Relays	No change <sup>1</sup>
IP2X 700PT Pneumatic Timers	No change <sup>1</sup>
IP2X 700-PLL Mechanical Latches	No change <sup>1</sup> (Available June 2003)
IP2X 700PB and 700PC Adder Deck Accessories	No change <sup>1</sup>
700PH Tandem Contact Relays	Only offered in current open-style design



<sup>1</sup>All IP2X Finger-Safe Relays will be released at series D.

## Finger-Safe Cover Upgrade Accessories



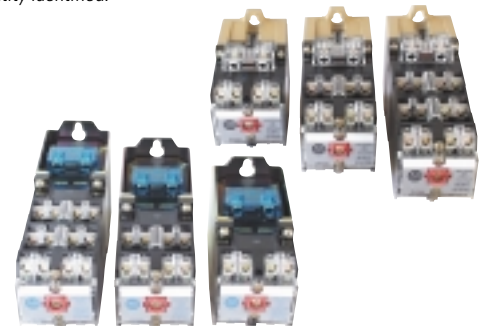
Description	Catalog Number	Package
<b>Top Covers (Covering Top Level Contact Screws)</b>		
IP2X Top Cover for 700-P, (AC Standard Relays)	700-PFSACT	5 per bag <sup>3</sup>
IP2X Top Cover for 700-P, (DC Standard Relays)	700-PFSDCT	5 per bag <sup>3</sup>
IP2X Top Cover for 700PK, (AC Master Control Relays)2	700-PFSAPKT	5 per bag <sup>3</sup>
IP2X Top Cover for 700PK, (DC Master Control Relays)2	700-PFSDPKT	5 per bag <sup>3</sup>
Timer Top Cover Kit, (for Relays with Pneumatic Timer Attachment)	700-PFSTC	5 per bag <sup>3</sup>
Latch Top Cover Kit (for Relays with Mechanical Latch Attachment)	700-PFSLCK	5 per bag <sup>3</sup>
Timer Top Cover Kit, (for Master Cont. Relays with Pneumatic Timer)	700-PFSKTC	5 per bag <sup>3</sup>
Latch Top Cover Kit (for Master Cont. Relays with Mechanical Latch)	700-PFSKLC	5 per bag <sup>3</sup>
<b>Coil Covers</b>		
IP2X Coil Cover for all AC Relays in the 700P Range	700-PFSACC	5 per bag <sup>3</sup>
IP2X Coil Cover for all DC Relays in the 700P Range	700-PFSDCC	5 per bag <sup>3</sup>
<b>Deck Covers (Covering all terminals not on top deck, only for multi-deck relays)</b>		
IP2X Deck Cover for all AC & DC Relays in the 700P Range	700-PFSDEK	10 per bag <sup>3</sup>

<sup>2</sup>Finger-Safe covers should not be installed on 700PH Tandem Cartridge Relays.

<sup>3</sup>Covers must be ordered in multiples of the quantity identified.

## Components needed to upgrade existing installations to Finger-Safe

Relay Type	Top Cover	Deck Covers	Coil Cover
0-4 pole AC or DC Relay	1	0	1
5-8 pole AC or DC Relay	1	2	1
9-12 pole AC or DC Relay	1	4	1
0-6 pole AC or DC Relay with Mechanical Latch	1	0	1
0-4 pole AC or DC Relay with Pneumatic Timer	1	0	1



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