

# Product data sheet

Specifications



Time delay relay, Harmony SE  
Relays, DPDT, 100ms to 9990hours, 7time scales, 3 functions, socket compatible, 12A, 12...240V AC/DC

TDRPRO-5102

**Product availability:** Stock - Normally stocked in distribution facility

## Main

Product Range	Legacy
Product or Component Type	Time delay relay
Switch Function	DPDT
Contacts Material	Silver alloy contacts
Time Delay Type	Multifunction
Setting-up	Thumbwheel
Rated Supply Voltage	12...240 V AC/DC 50...60 Hz

## Complementary

Time Delay Range	100 ms...9990 hr in steps of 0.1 s 100 ms...9990 hr in steps of 1 second 100 ms...9990 hr in steps of 0.1 min 100 ms...9990 hr in steps of 1 min 100 ms...9990 hr in steps of 0.1 h 100 ms...9990 hr in steps of 1 h 100 ms...9990 hr in steps of 10 h
Operating Time	25 ms
Brake Release Time	25 ms
Control Type	Dial front
Voltage Range	0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un 0.85...1.15 Un
Nominal Output Current	12 A
Local Signalling	1 LED red, blinking timing in progress 1 LED per input green
Repeat Accuracy	+/- 0.1 % of the measuring range
Reset Time	150 ms maximum
Power Consumption in VA	2.5 VA 12...240 V
Power Consumption in W	2 W 12...240 V

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Rated Operational Current</b>	12 A at 120 V AC (on resistive load) 12 A at 240 V AC (on resistive load) 12 A at 30 V DC (on resistive load)
<b>Motor Power HP</b>	1 hp 240 V AC 0.5 hp 120 V AC
<b>Electrical Durability</b>	100000 cycles
<b>Mechanical Durability</b>	10000000 cycles
<b>Mounting Support</b>	Socket
<b>Height</b>	2.83 in (71.95 mm)
<b>Width</b>	1.9 in (48 mm)
<b>Depth</b>	1.9 in (47.8 mm)
<b>Product Weight</b>	4.2 oz (120 g)

## Environment

<b>Dielectric Strength</b>	2500 V between input and output
<b>Standards</b>	IEC 61810-1
<b>Product Certifications</b>	UL
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Ambient Air Temperature for Operation</b>	14...131 °F (-10...55 °C)
<b>IP Degree of Protection</b>	IP40 IEC 60529 enclosure)

## Ordering and shipping details

<b>Category</b>	US10CP221127
<b>Discount Schedule</b>	0CP2
<b>GTIN</b>	3606480283086
<b>Returnability</b>	Yes
<b>Country of origin</b>	CZ

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	2.40 in (6.1 cm)
<b>Package 1 Width</b>	2.40 in (6.1 cm)
<b>Package 1 Length</b>	4.20 in (10.67 cm)
<b>Package weight(Lbs)</b>	0.35 lb(US) (0.16 kg)
<b>Unit Type of Package 2</b>	CAR
<b>Number of Units in Package 2</b>	100
<b>Package 2 Height</b>	12.60 in (32 cm)
<b>Package 2 Width</b>	9.06 in (23 cm)
<b>Package 2 Length</b>	23.62 in (60 cm)
<b>Package 2 Weight</b>	32.6 lb(US) (14.8 kg)



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	<b>WARNING:</b> This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a>

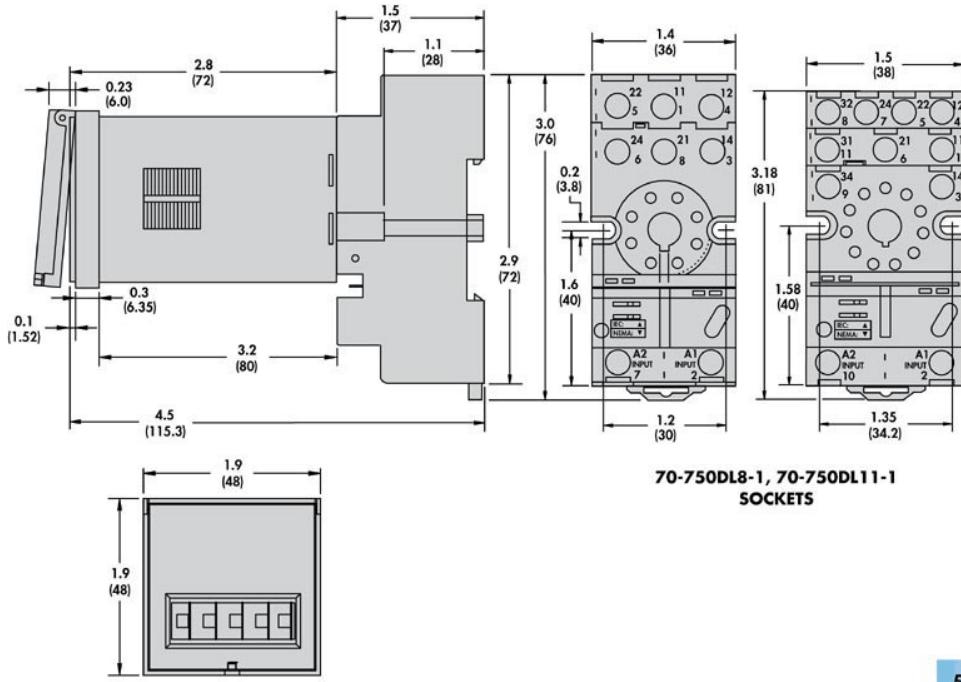
## Use Again

### Repack and remanufacture

Take-back	No
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## Dimensions Drawings

## Approximate Dimensions



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## Connections and Schema

Connections and Wiring Diagrams

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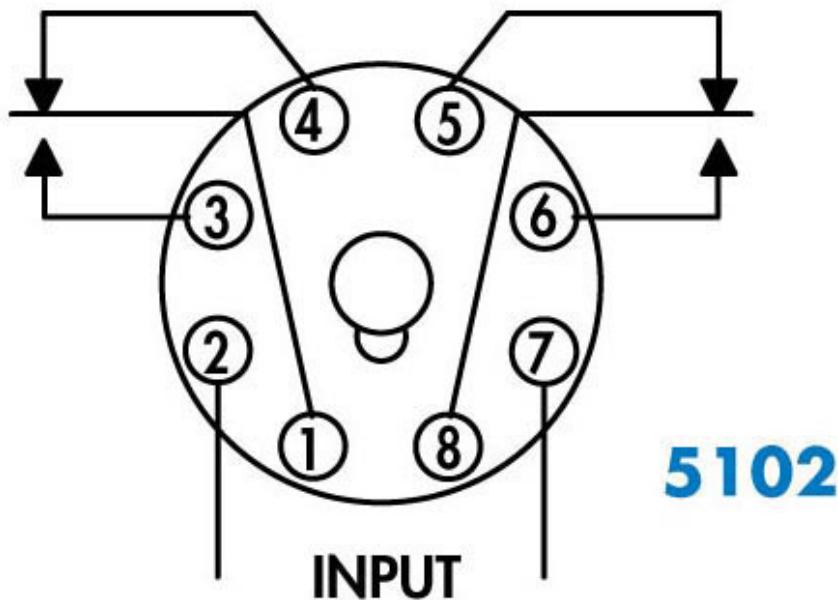


Image of product / Alternate images

Alternative

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