

### **STRUCTURE**

System: Flag Drop Type Fault Indicator

Indicator: Double pattern flag indicator (Orange & Stripe pattern)

Indication & Reset operation: The fault signal generated by the outer protective relay contacts excites the operating coil and drop the indication flag in the annunciator. The display window of the flag changes from the normal condition of black to the fault condition of orange.

 Pushing up the reset lever returns the indicator flag to the original position, and window returns to normal condition black, if the fault signal was monentary and operating coil is not excited any more.

Indication pattern:

However if the fault signal is continuous and still excites the operating coil, indicator flag in the display window change to stripe pattern in orange and black by operating the reset lever.

After the fault signal is disappear the flag automatically return to the normal condition black.





Normal condition (Black) Fault condition (Orange) Continuous fault condition (Stripe pattern)

### Specifications, Ratings, Performance

Specification Type		Voltage operation type Current operation		
Rated insulation voltage (Ui)		250V AC / DC		
Coil rating Voltage Current		24V, 48V, 100 / 110V, 125V, 200 / 220V AC / DC, 240V AC	_	
		_	0.5A, 0.7A, 1.0A, 2.0A DC	
Continuous inpu	t range	24V, 48V AC / DC:80 to 130% Others:70 to 130%	90 to 100% (in case of continuous input)	
Operating value		Rating x 70% or less	Rating x 90% or less	
Returning value		Rating x 10% or more	Rating x 10% or more	
Minimum input pulse width	(rated voltage or current)	30 msec or less 30 msec or less (200% input of rated current, 10 msec or le		
External Termina	External Terminal Faston #250 or screw terminal (M3.5)		ew terminal (M3.5)	
Max. wire size		2 mm² (AWG14)		
Insulation resista	ance	10 MΩ or more (Between electric circuit block and ground) / 5 MΩ or more (electric circuit between each other / Between contact terminals [Between po		
Power frequency Withtand voltage		AC 2000 V (Between electric circuit block and ground / electric circuit between each other) / AC 1000 V (Between contact terminals [Between poles]) / 1 min.		
Lightning impulse wi	ithstand voltage	±4500 V (Between electric circuit block and ground / electric circuit between each other) / ±3000 V (Between contact terminals [Between potes]) / three times for each poles (1.2)		
Overload capabi	lity	Rating x 1.3 times / 3 hours / 1 time Rating x 6.0 times / 30 sec / 1 time		
Contact current-car	rrying capacity	2A		
Contact breaking	g capacity	110V DC, 0.2	A (L/R=7msec)	
Vibration resista	nce	Frequency: 16.7 Hz, Width of freq	uency: 4 mm, 10 min for each axis	
Shock resistance	В	294m/s², 3 times each axial direction		
Durability		10,000 times or more (electrical, mechanical)		
Protection degre	e	Panel surface: IP40		
Ambient operating	g temperature	0 to 40°C (-10 to 55°C: a few hours are allowed per day)		
Storing temperat	ture	-20 to	60°C	
Relative humidity	y	30 to 80% (average per o	day, no dew condensation)	
Altitude		2000 m max.		

### **FEATURES**



The panel back size is shorter than TK type by about 25%.





TK Type

ZK Type (Faston tab type)



ZK Type (screw type)



Faston / Tab type and Screw type are available as standard line up. Screw type is equiped with a terminal cover.

Vertical and horizontal short bars for link reduce wires.



Short time input operation is available for current type.
(operating at 200% or more of rated current, at input pulse of 10 msec).
It sensitively responds to an pulse input signal to the annunciator relay.
For further details, refer to technical

information (page N35).

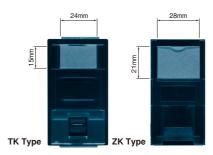


4 cotacts can be choosed from 2 contacts linked with the display flag and 3 contacts linked with the coil voltage.

Wide contact variations enable to omit some auxiliary relays now in use.

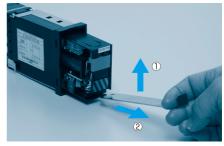


The approximately 40% expansion of the name character area enhances visibility of a nameplate.





A plug-in method for internal elements is adopted, which enables easy changing of specifications and maintenance from the front of the panel.



\* When removing the internal element, hang an element unplugging tool on the lower hook to unplug by lifting and removing the lock.



Measures for whisker trouble are fully prepared by eliminating the use of tin and zinc plating.



Collective mounting is available, which saves hole cutting work one by one. It contributes to reduce man-hour.

(A vertical one-line assembly is not available).

### **HOW TO ORDER**

Refer to the type coding

### ■How to order as single unit

### Type coding



Basic type

200A

220A

### Contact arrangements

(For further details, see Page 7) Flag interlock Coil interlock 000A 010Δ 1a 020A 2a 030A За 020D 1a1b 100A 1a 110A 1a 1a 120A 1a 2a 120D 1a 1a1b 120E 1a 2b

2a 2a 1a 210A Any contact arrangements other than those above are available.

2a

### Rated voltage / current Voltage operation type

Code	Coil rating	Resistance value
DC024V	24V DC	270Ω
DC048V	48V DC	1080Ω
DC110V	100 / 110V DC	4800Ω
DC125V	125V DC 6900Ω	
DC220V	OC220V 200 / 220V DC 19500	
AC024V	24V AC	270Ω
AC048V	48V AC	1080Ω
AC110V	V 100 / 110V AC 4800Ω	
AC125V	C125V 125V AC 69000	
AC220V	200 / 220V AC	19500Ω
AC240V	240V AC	24100Ω

Note: Voltage type AC rated product has a built-in 800 V rated rectifier.

Current operation type			птуре
	Code	Coil rating	Resistance value
	DC0.5A	0.5A DC	4.4Ω
	DC0.7A	0.7A DC	2.1Ω
	DC1.0A	1.0A DC	1.0Ω
	DC2.0A	2.0A DC	0.280

Surface frame B: Black

### Flag color

O: Yellow-red (orange)

\* In continuous fault condition, black and yellow stripe pattern

### Special specification

Code	Description	
XX	Standard specification	
XZ	Varistor mounted type	

### Rear surface terminal

	Code	Description	
	S Screw terminal (M3.5		
F Faston tab #250		Faston tab #250	

### ■How to order internal elements

2a

# Type coding

# ZK - U - 120A - DC110VXX - O

Basic type Internal element

### Contact arrangements

(For further details, see Page 7)

(1 of further details, see 1 age 7)		
Flag interlock Coil interloc		
-	1a	
-	2a	
-	3a	
- 1a1b		
1a –		
1a 1a		
1a	2a	
1a 1a1b		
1a 2b		
2a -		
2a	2a	
2a	1a	
	Flag interlock  1a 1a 1a 1a 2a 2a	

Any contact arrangements other than those above are available.

### Rated voltage / current

١	Voltage operation type		
Code	Coil rating	Resistance value	
DC024V	DC024V 24V DC		
DC048V	48V DC	1080Ω	
DC110V	100 / 110V DC	4800Ω	
DC125V	125V DC	6900Ω	
DC220V 200 / 220V DO		19500Ω	
AC024V 24V AC		270Ω	
AC048V	AC048V 48V AC		
AC110V	100 / 110V AC	4800Ω	
AC125V	125V AC	6900Ω	
AC220V	AC220V 200 / 220V AC		
AC240V	240V AC	24100Ω	
Note: Voltage type AC rated product has a built-in			

Current operation type

Code	Coil rating Resistance value	
DC0.5A	5A 0.5A DC 4.4Ω	
DC0.7A	.7A 0.7A DC 2.1Ω	
DC1.0A	I.0A 1.0A DC 1.0Ω	
DC2.0A	2.0A 2.0A DC 0.28Ω	

### Special specification

special opecinication		
Code	Description	
XX	Standard specification	
XZ	Varistor mounted type	



Internal element

### **HOW TO ORDER**

Refer to the type coding P. 29

### ■ How to order as assembled products

 Collective mounting is available for ZK type. It is not necessary to make holes for each units, and the assembled units can be installed in only one hole.



### Example 1 In case of assembling the same specification

ZK - 02 x 03 - 120A - DC110VXX - OBF

Rasic Vertical Horizontal Contact arrangement number number tvpe

Rated voltage. Current



# Example 2

### In case of assembling different specifications

Please enter the order sheet for ZK Drop Type Annunciator Relay attached to the last page of this catalog.

# ZK - 02 x 03 - MIX - MIX - OBF

Rated voltage, Basic Vertical **Horizontal Contact** arrangement Current type number number 2 to 8 1 to 3 stages

- 1) Please refer to the above type coding for orders.
  - Please write "MIX" in "Contact arrangement" in case of assembling different specifications of contact arrangement.
  - Please write "MIX" in "Rated voltage, current" in case of assembling different specifications of rated voltage, current
- (2) About the layout drawing
  - Enclose the shape of the assembled window in the layout drawing with a continuous line.
- 3 About the layout configuration
  - Fill the contact arrangement, rated voltage and current, and rear terminal in the layout configuration.

# Order Sheet for ZK Type Fault Indicator Compan name Aridross Type of order (year) Number of Order (month) (clay), se enclose the following layout drawing with a continuous line as the shape of an assembled window se fill the contact arrangement, rated voltage, current, special use and also rear terminal in the nguration. unting hole are the horizontal outside dimension: -4 mm and the vertical outside 5 6 7 8 A-06 A-07 DC 110 V

### \* Precaution for assemblies

When ordering a collective type of rear terminal symbols S (screw specification), please order after taking the wire size and number of wires into account (there is a possibility that wiring may be difficult depending on the wire size and number of wires).

### Sizes of collective mounting

Refer to the right table as to sizes of collective mounting when mounting collectively.

A virtical one-line assembly is not available.

### Horizontal stage number 2 row 3 row 4 row 5 row 6 row 7 row 8 row L1 144 216 288 108 180 Vartical stage number First L2 70 13 81 Second L1 72 108 180 216 252 288 144 L2 140 L3 151 L1 108 144 180 216 252 288

210

221

(mm)

Table of sizes

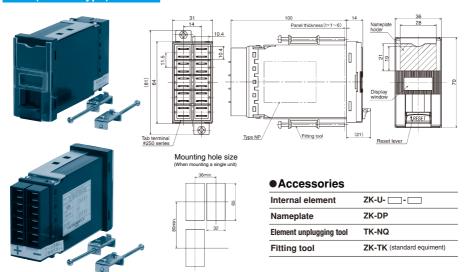
L2

L3



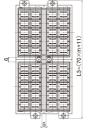
# STANDARD SPECIFICATION PRODUCTS

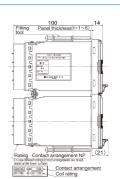
# **ZK** (Faston type)

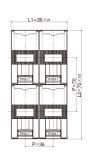


# **ZK** (Faston type [collective])











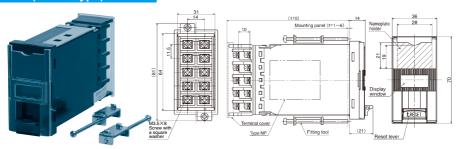
# 

Mounting hole size

### Accessories

ZK-U- 🗀 - 🧀	
ZK-DP	
TK-NQ	
ZK-TK (standard equiment)	

# **ZK** (Screw type)





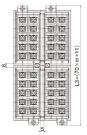


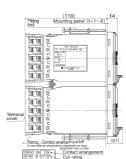
### Accessories

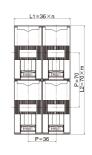
Internal element	ZK-U 🗀 - 🗀
Nameplate	ZK-DP
Element unplugging tool	TK-NQ
Terminal cover	ZK-CV (standard attachment)
Fitting tool	ZK-TK (standard attachment)
Jumper	ZK-SBV (Vertical linking)
Jumper	ZK-SB36,50 (Horizontal linking)

# **ZK** (Screw type [collective])











### Mounting hole size

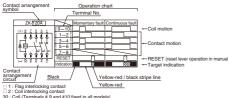
36×n-4 <sup>+1</sup>	1
	-0
	1-5-F
	-m×02

### Accessories

Accessories			
Internal element	ZK-U 🗀 - 🗀		
Nameplate	ZK-DP		
Element unplugging tool	TK-NQ		
Terminal cover	ZK-CV (standard attachment)		
Fitting tool	ZK-TK (standard attachment)		
Jumper	ZK-SBV (Vertical linking)		
Jumper	ZK-SB36 (Horizontal linking)		

# **CONTACT ARRANGEMENTS AND SEQUENCES**

### About contact arrangement



		ow-red / black stripe line	
: Flag interlocking contact : Coil interlocking contact	Leuc	W-16U	
Coil (Terminals # 9 and #10 fixe	d in all models	)	
ZK-000A		Mamantan da ult	Continuous fault
ZN-000A	0 10	IVIOITIERITATY IAUIT	Continuous fault
(+) 9 7 5 3 1	9-10		
	1-2		
114, , , , 1	3-4		
本 -	5-6		
114,,,,,	7-8		
	RESET	П	П
(-) 10 8 6 4 2	Flag		
ZK-010A		Momentary fault	Continuous fault
(+) 9 7 5 3 1	9-10		
	1-2		
	3-4		
★ ஹ	5-6		
	7-8		
	RESET		
(-) 10 8 6 4 2	Flag		
	- i iug		
ZK-020A		Momentary fault	Continuous fault
(+) 9 7 5 3 1	9-10		
	1-2		
	3-4		
	5-6		
LT   a2' a2	7-8		
	RESET		П
(-) 10 8 6 4 2			
	Flag		
ZK-030A		Momentary fault	Continuous fault
		INDITION AND INDITION	
	9-10	Midifientary laun	
(+) 9 7 5 3 1		INIOMENTALLY NAUK	
	1-2		
(+) 9 7 5 3 1	1-2 3-4	Informeritary raunt	
(+) 9 7 5 3 1	1-2 3-4 5-6	Monte nary laun	
(+) 9 7 5 3 1	1-2 3-4 5-6 7-8	Wionieritary rauti	
(+) 9 7 5 3 1	1-2 3-4 5-6 7-8 RESET		
(+) 9 7 5 3 1	1-2 3-4 5-6 7-8	William Facility Facility	
(+) 9 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET		
(+) 9 7 5 3 1 (+) 9 7 5 3 1 (+) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag		Continuous fault
(+) 9 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag		
(+) 9 7 5 3 1 (+) 9 7 5 3 1 (+) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2		
(+) \$ 7 \$ \$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4		
(+) 9 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6		
(+) \$ 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8		
(+) \$ 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET	Momentary fault	Continuous fault
(+) \$ 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8		
(+) \$ 7 \$ \$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET	Momentary fault	Continuous fault
(+) \$ 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag	Momentary fault	Continuous fault
ZK-020D  (+) \$ 7 \$ \$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag	Momentary fault	Continuous fault
(+) \$ 7 \$ \$ 3 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag	Momentary fault	Continuous fault
ZK-020D  (+) \$ 7 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 Flag 9-10 1-2 3-4	Momentary fault	Continuous fault
ZK-020D  (+) \$ 7 5 3 1  (-) 10 8 6 4 2   ZK-100A  (+) 9 7 5 3 1  (-) 10 8 6 4 2	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6	Momentary fault	Continuous fault
ZK-020D  (+) \$ 7 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag	Momentary fault	Continuous fault
ZK-020D  (+) \$ 7 5 3 1  (-) 10 8 6 4 2   ZK-100A  (+) 9 7 5 3 1  (-) 10 8 6 4 2	1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6	Momentary fault	Continuous fault

ZK-110A	/	
213-110A		Momentary fault Continuous fault
(+) 9 7 5 3 1	9-10	
(+) 9 7 5 3 1	1-2	
11 1 77.4 1	3-4	
<b>                 </b>	5-6	
a2 a1	7-8	
	RESET	
(-) 10 8 6 4 2		
	Flag	
ZK-120A		Momentary fault Continuous fault
	9-10	
(+) 9 7 5 3 1	1-2	
_•••••	3-4	
	5-6	
a2' a2 a1		
^ ^ ^ ^ ^	7-8	
(-) 10 8 6 4 2	RESET	
	Flag	
ZK-120D		Momentary fault Continuous fault
	9-10	Inchicitary laun Continuous laun
(+) 9 7 5 3 1	1-2	
1 1 1 1 1 1		
115 77 14	3-4	
b2 a2 a1	5-6	
11 _ 4 4 4 4 4 4 1	7-8	
(-) 10 8 6 4 2	RESET	
( / 10 8 0 4 2	Flag	
71/ 4005		Na
ZK-120E	2 10	Momentary fault Continuous fault
(+) 9 7 5 3 1	9-10	
	1-2	
11 1 4 4 4 4	3-4	
本	5-6	
	7-8	
(-) 10 8 6 4 2	RESET	
(-)10 8 6 4 2	Flag	
ZK-200A		Momentary fault Continuous fault
(4) 9 7 5 3 4	9-10	
1 (7) 8 6 8 8 1		
(+) 9 7 5 3 1 J J J J J	1-2	
(+) 0, 7, 5, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1-2 3-4	
	3-4	
	3-4 5-6	
	3-4 5-6 7-8 RESET	
(-) 10 8 6 4 2	3-4 5-6 7-8	
	3-4 5-6 7-8 RESET Flag	Momentary fault Continuous fault
(-) 10 8 6 4 2	3-4 5-6 7-8 RESET Flag	Momentary fault Continuous fault
ZK-220A	3-4 5-6 7-8 RESET Flag	Momentary fault Continuous fault
ZK-220A	3-4 5-6 7-8 RESET Flag	Momentary fault Continuous fault
ZK-220A	3-4 5-6 7-8 RESET Flag 9-10 1-2	Momentary fault Continuous fault
ZK-220A  (+) 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6	Momentary fault Continuous fault
ZK-220A  (+) \$ 7 \$ 3 \$ 4 \$ 2	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8	Momentary fault Continuous fault
ZK-220A  (+) 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET	
ZK-220A  (+) 9 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8	
ZK-220A  (+) \$ 7 \$ 3 \$ 4 \$ 2	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag	
ZK-220A  (+) 9 7 5 3 1 (-) 10 8 6 4 2  ZK-210A	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET	
ZK-220A  (+) 9 7 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag	
ZK-220A  (+) 9 7 5 3 1 (-) 10 8 6 4 2  ZK-210A	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag	
ZK-220A  (+) 9 7 5 3 1  (-) 10 8 6 4 2  ZK-210A  (+) 9 7 5 3 1  (-) 10 8 6 4 2	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4	
ZK-220A  (+) 9 7 5 3 1  (-) 10 8 6 4 2  ZK-210A	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 Flag 9-10 1-2 3-4 5-6	
ZK-220A  (+) 2 7 5 3 1  (-) 10 8 6 4 2   ZK-210A  (+) 2 7 5 3 1  (-) 10 8 6 4 2   ZK-210A	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 7-8	
ZK-220A  (+) 9 7 5 3 1  (-) 10 8 6 4 2  ZK-210A  (+) 9 7 5 3 1  (-) 10 8 6 4 2	3-4 5-6 7-8 RESET Flag 9-10 1-2 3-4 5-6 Flag 9-10 1-2 3-4 5-6	

<sup>\*</sup> Any contact arrangements other than those above are available. Please feel free to inquire.

### **ACCESSORIES**

### **Element unplugging tool**



### **Fitting tool**

Order unit: 10



\* Standard equipment

### **Jumper**

\* For rear terminal symbol S (screw specification)

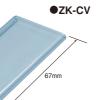
Order unit: 100

ZK-SBV	ZK-SB36	ZK-SB50
Vertical linking	Horizontal linking (36 mm pitch)	Horizontal linking (50 mm pitch)

### Terminal cover

\* For rear terminal symbol S (screw specification)

Order unit: 100



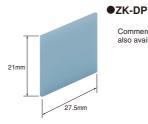
\* Standard equipment

30.5mm

# Nameplate

(Acryl material t=1 mm)

Order unit: 100

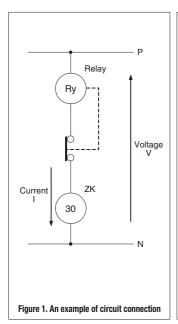


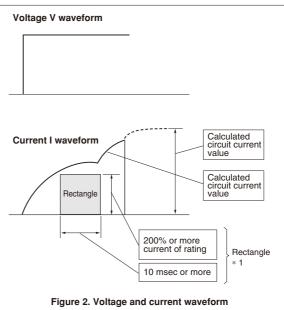
Commercial cardboards are also available instead of ZK-DP.

### **TECHNICAL INFORMATION**

### ■Operating condition of current type

For the current operation type, it is sometimes used by connecting in series with a relay equipped with a self-cutoff contact in the manner shown in Figure 1; in that case, current I shows the waveform shown in Figure 2 depending on the coil inductance of those serial relays.





When high-speed operation is required (operation at 200% or more of rated current and minimum input pulse of 10 msec or less), please select a coil rating that can secure a rectangle\*1 within the actual circuit current waveform

High-speed operation is confirmed in the condition with the resistance value of the serial relay (Fig. 1 Ry) in the following table.

Coil rating of Fault Indicator	Relay resistance value
Con rating of radit mulcator	Tielay resistance value
0.5A DC	36.7 Ω
0.7A DC	26.2Ω
1A DC	18.3Ω
2A DC	9.2Ω

# **Order Sheet for ZK Type Fault Indicator**

					ı	Date of order:	(month)	(day),	(year)
Company name						Person in charge			
e-mail						TEL			
e-maii						FAX			
Type coding									
Quantity	Units	Delivery time	(month)	(day),	(year)	Number of Order			

- Please enclose the following layout drawing with a continuous line as the shape of an assembled window.
- Please fill the contact arrangement, rated voltage, current, special use and also rear terminal in the following layout configuration.
- The sizes of the mounting hole are the horizontal outside dimension: -4 mm and the vertical outside dimension: -5 mm.

# Layout drawing

	1	2	3	4	5	6	7	8
							-	
Α								
	A-01	A-02	A-03	A-04	A-05	A-06	A-07	A-08
B								
L	B-01	B-02	B-03	B-04	B-05	B-06	B-07	B-08
C								
	C-01	C-02	C-03	C-04	C-05	C-06	C-07	C-08

# Layout configuration

			Contact arrangement		Rated voltage, current	Special specification	Rear surface terminal
	A-01	ZK-					-OB
	A-02	ZK-					-OB
-	A-03	ZK-					-OB
~	A-04	ZK-		_			-OB
Row	A-05	ZK-		_			−OB
1"	A-06	ZK-		_			−OB
	A-07	ZK-		_			−OB
	A-08	ZK-		_			-OB

			Contact arrangement	Rated voltage, current	Special specification	Rear surface terminal
	B-01	ZK-				-OB
	B-02	ZK-	-	_		-OB
ا	B-03	ZK-		_		−OB
	B-04	ZK-				−OB
Row	B-05	ZK-	-	_		-OB
"	B-06	ZK-	-	_		-OB
	B-07	ZK-		_		−OB
	B-08	ZK-	-	_		-OB

			Contact arrangement	Rated voltage, current	Special specification	Rear surface terminal
	C-01	ZK-	_			-OB
	C-02	ZK-				-OB
	C-03	ZK-	_			-OB
>	C-04	ZK-	_			−OB
30€	C-05	ZK-	_			-OB
"		ZK-	_			-OB
	C-07	ZK-				−OB
	C-08	ZK-				-OB