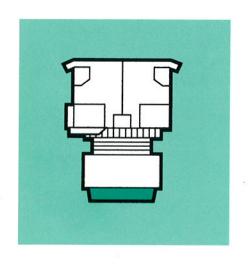
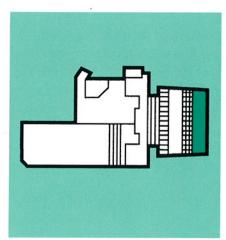


FUJI COMMAND SWITCHES REPLACEMENT MANUAL

R series AR22, DR22

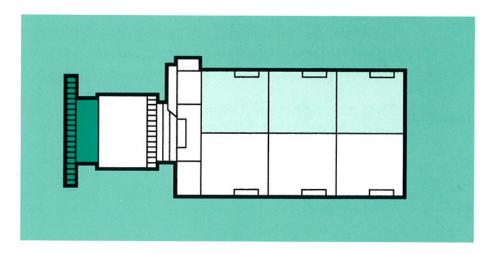


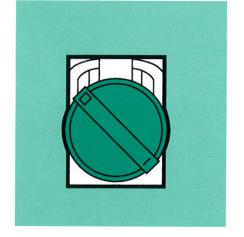


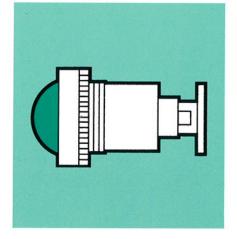
22mm dia. 7/8 inch 25mm dia. 1 inch

Illuminated Pushbutton Switches

Pushbutton Switches







Selector Switches Pilot Lights

COLOR BUTTON AND CONTACT BLOCK REPLACEMENT PROCEDURE

The procedure should be performed by an authorized Fuji distributor only. If you have any questions on this manual, please feel free to contact either FECOA (Fuji Electric Corp. of America) or Fuji Electric Co., Ltd. in Japan.

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COMPONENT PARTS

Illuminated pushbutton switch and pushbutton switch	
Selector switch and pilot light5	
REPLACING OPERATOR / INDICATOR	
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AR22M0L, M5L, M4L, M4P 8	-
AR22E0M, E5M	
AR22F0R, F5R, F0Y, F5Y, E0R, E5R, G3R, G8R, E0Y, E5Y, S1R, S2R, S3R, S6R	
AR22M0R, M5R, M3R, M4R, M4Y	
AR22F0S, F5S, E0S, E5S	
AR22Q2R18	
AR22PL, PP20	
AR22PR, PY, WR, WY, RR, RY, PCR, PCY, WCR, WCY, RCR, RCY22	
DR22D0L24	
DR22E3L, E3P	
DR22F3M, E3M	
DR22F4M30	
REPLACING CONTACT BLOCKS	
CONTACT BLOCK ARRANGEMENT33	



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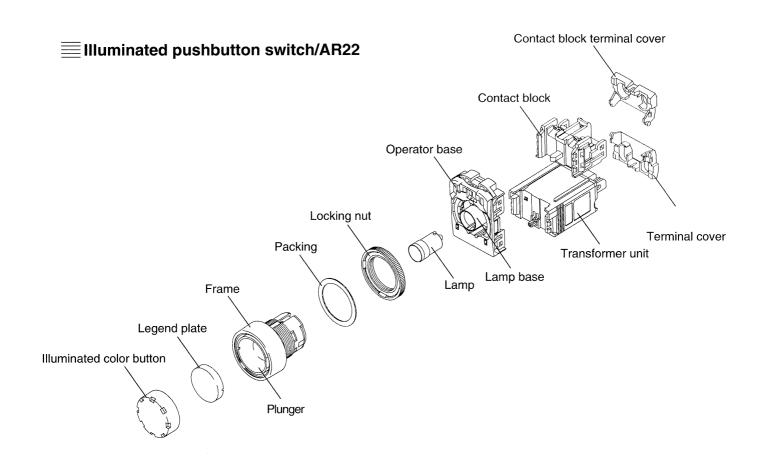
	Type Repl oper	acing ator	Replacing contact block	Contact block arrangement
lluminated ρι	ishbuttons, pushbuttons and selector switches			
AR22E0L	Illuminated, extended round head	Page 6	Page 32	Page 33, 35
AR22E0M	Illuminated, extended square head	10	32	33, 35
AR22E0P	Illuminated, extended round head with square fram	ne 6	32	33, 35
AR22E0R	Extended round head	12	32	36
AR22E0S	Extended square head	16	32	36
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AR22E5L	Illuminated, extended round head, alternate action	n 6	32	34, 35
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AR22E5P	Illuminated, extended round head with square frame, al	ternate 6	32	34, 35
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AR22E5S	Extended square head, alternate action	16	32	37
AR22E5Y	Extended round head with square frame, alternate	action 12	32	37
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AR22F0P	Illuminated, flush round head with square frame	6	32	33, 35
AR22F0R	Flush round head	12	32	36
AR22F0S	Flush square head	16	32	36
AR22F0Y	Flush round head with square frame	12	32	36
AR22F5L	Illuminated, flush round head, alternate action	6	32	34, 35
AR22F5P	Illuminated, flush round head with square frame, a	ilternate 6	32	34, 35
AR22F5R	Flush round head, alternate action	12	32	37
AR22F5S	Flush square head, alternate action	16	32	37
AR22F5Y	Flush round head with square frame, alternate act	ion 12	32	37
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AR22G9L	Illuminated, round head with guard ring, alternate	6	32	34, 35
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AR22M0R	Mushroom head / ø40	14	32	36
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AR22M4L	Illuminated, mushroom head / ø29	8	32	33, 35
AR22M4P	Illuminated, mushroom head with square frame / @	29 8	32	33, 35

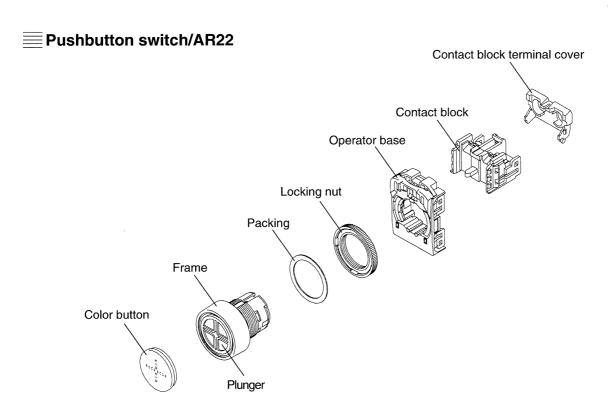


	21	placing erator / indicator	Replacing contact block	Contact block arrangement
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AR22M4Y	Mushroom head with square frame / ø29	14	32	36
AR22M5L	Illuminated, mushroom head / ø40, alternate ac	tion 8	32	34, 35
AR22M5R	Mushroom head / ø40, alternate action	14	32	37
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DR22E3P	Extended round lens with square frame	26		_
DR22F3M	Flush square lens	28	-	
DR22F4M	Flush square transparent lens	30	_	_



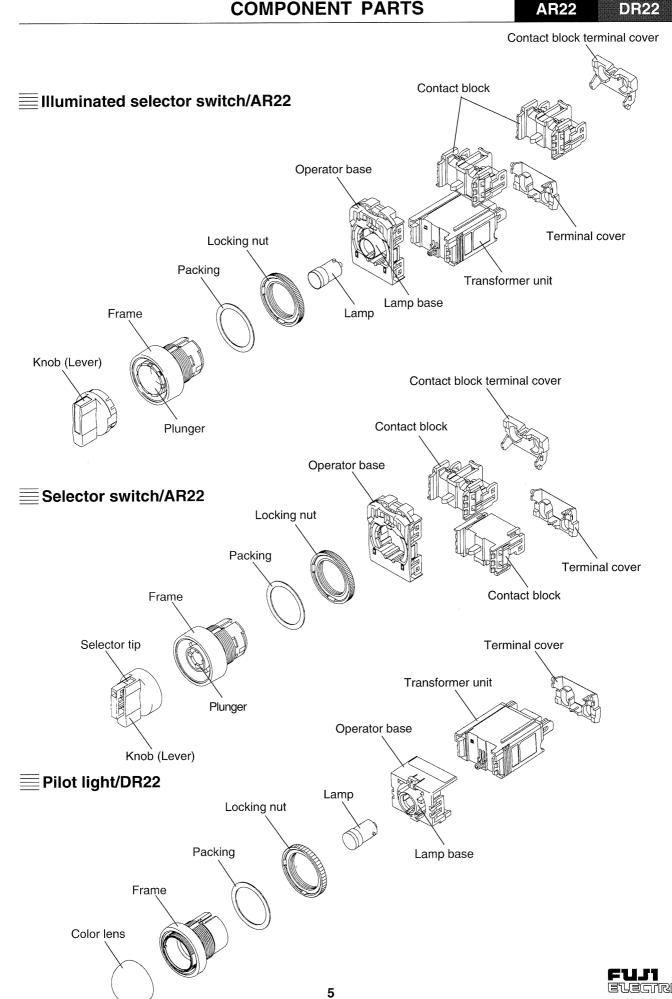
COMPONENT PARTS











REPLACING OPERATOR

AR22F0L

F5L/Alternate action

F₀P

F5P/Alternate action

AR22E0L

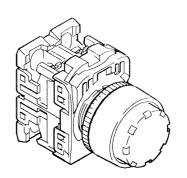
E5L/Alternate action

E₀P

E5P/Alternate action

AR22G4L

G9L/Alternate action



Description	Type(Ordering code)	Fill in □■ with color code	Color code		Tool
Illuminated pushbutton switch	AR22F0L F5L F0P F5P	AR22E0L E5L E0P E5P G4L G9L			
Color button	AR9C011-□	AR9C012-□	Green Red Yellow Orange Clear Sky blue	G R Y A C S*	AR9A004
LED lamp (BA9S/13)	6V AC 48mA 6V DC 56mA 12V AC/DC 34/28mA 24V AC/DC 18/14mA	DH9L510-A■ DH9L510-6■ DH9L510-B■ DH9L510-E■	Yellow Red Red/green Amber	Y R W A	AH9A790
Contact block	AR9B290(1NO/Blue) AR9B291(1NC/Red)				AH9A321

^{*} Color button code **S (Sky blue)** for incandescent bulb only.

Combination of button color and LED lamp color

	uminous color Type number code)		Color button		LED lamp ■	
Green Red Yellow Orange White	G R Y A	Green Red Yellow Orange Clear	G R Y A C	Yellow Red Yellow Amber Red/Green	Y R Y A	

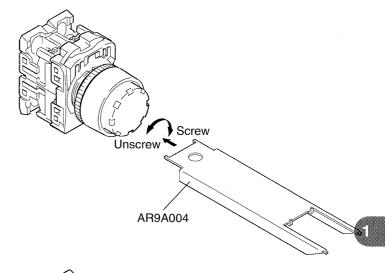


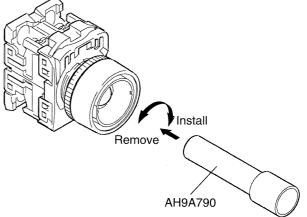
Replacing color button

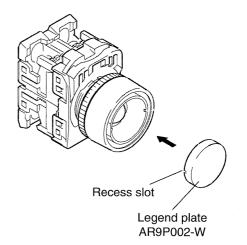
- 1. Select the illuminated pushbutton to be modified.
- 2. Insert the teeth of tool AR9A004 into the grooves of the color button.
- 3. Remove the color button by unscrewing counterclockwise.
- 4. Screw the new color buton onto the plunger, turning clockwise.

Replacing LED lamp

- 1. Remove the legend plate AR9P002-W from the plunger.
- 2. Insert the tip of tool AH9A790 onto the LED lamp.
- 3. Remove the LED lamp, turning the tool counterclockwise.
- 4. Place the new LED lamp into the lamp base, turning the tool clockwise.
- 5. Put the legend plate onto the plunger, fitting its recess slot to projections of plunger.







AR22M0L
M5L/Alternate action

AR22M4L
M4P

Description	Type(Ordering code)	Fill in □■ with color code	Color code		Tool
Illuminated pushbutton switch	AR22M0L M5L	AR22M4L M4P			
Color button	AR9C016-□	AR9C015-□	Green Red Yellow Orange Clear Sky blue	G R Y A C S*	
LED lamp (BA9S/13)	6V AC 48mA 6V DC 56mA 12V AC/DC 34/28mA 24V AC/DC 18/14mA	DH9L510-A■ DH9L510-6■ DH9L510-B■ DH9L510-E■	Yellow Red Red/green Amber	Y R W A	AH9A790
Contact block	AR9B290(1NO/Blue) AR9B291(1NC/Red)				AH9A321

f * Color button code f S (f Sky blue) for incandescent bulb only.

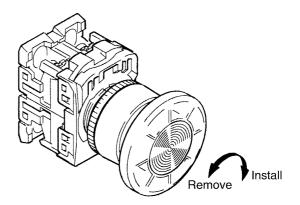
Combination of button color and LED lamp color

Luminous color (Type number code)		Color button		LED lamp ■	
Green Red Yellow Orange White	G R Y A	Green Red Yellow Orange White	G R Y A	Yellow Red Yellow Amber Red/Green	Y R Y A



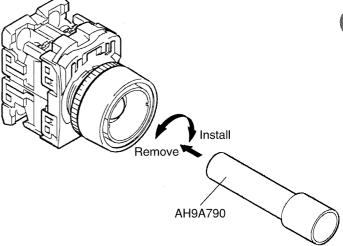
Replacing color button

- 1. Select the illuminated pushbutton to be modified.
- 2. Remove the color button, unscrewing counterclockwise.
- 3. Screw the new color button onto the plunger, turning clockwise.

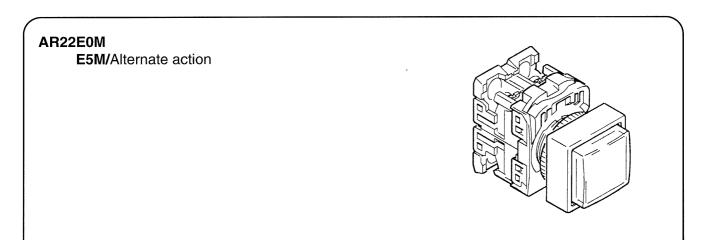


Replacing LED lamp

- 1. Insert the tip of tool AH9A790 onto the LED lamp.
- 2. Remove the LED lamp, turning the tool counterclockwise.
- 3. Place the new LED lamp into the lamp base, turning the tool clockwise.







Description	Type(Ordering code)	Fill in □■ with color code	Color code		Tool
Illuminated pushbutton switch	AR22E0M E5M				
Color button	AR9C014-□		Green Red Yellow Orange Clear Sky blue	G R Y A C S*	Screwdriver
LED lamp (BA9S/13)	6V AC 48mA 6V DC 56mA 12V AC/DC 34/28mA 24V AC/DC 18/14mA		Yellow Red Red/green Amber	Y R W A	AR9A004
Contact block	AR9B290(1NO/Blue) AR9B291(1NC/Red)				AH9A321

^{*} Color button code **S (Sky blue)** for incandescent bulb only.

Combination of button color and LED lamp color

Luminous ((Type numb		Color button		LED lamp ■	
Green Red	G R	Green Red	G R	Yellow Red	Y R
Yellow	Y	Yellow	Υ	Yellow	Υ
Orange	Α	Orange	Α	Amber	Α
White	W	Clear	С	Red/Green	W

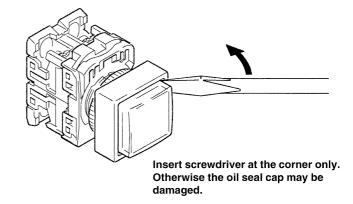


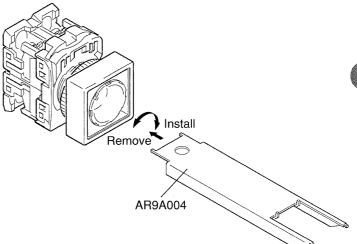
Replacing color button

- 1. Select the illuminated pushbutton to be modified.
- 2. Insert the tip of a small screwdriver between the color button and the frame at one of four corners of color button.
- 3. Remove the color button, levering the screwdriver.
- 4. Remove the legend plate from the color button.
- 5. Put the legend plate into the color button.
- 6. Place the new color button into the frame, pressing until it clicks into place.

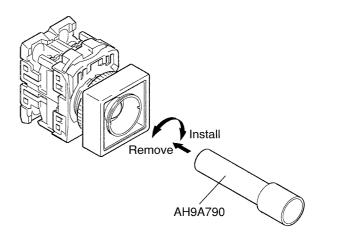
Replacing LED lamp

- 1. If the oil seal cap remains on the plunger, insert the teeth of tool AR9A004 into the grooves of the oil seal cap.
- 2. Remove the oil seal cap unscrewing counterclockwise.





- 3. Insert the tip of tool AH9A790 onto the LED lamp.
- 4. Remove the LED lamp, turning the tool counterclockwise.
- 5. Place the new LED lamp into the lamp base, turning the tool clockwise.





REPLACING OPERATOR

AR22F0R

F5R/Alternate action

F0Y

F5Y/Alternate action

AR22S1R/With selector ring S2R/With selector ring S3R/With selector ring S6R/With selector ring

AR22E0R

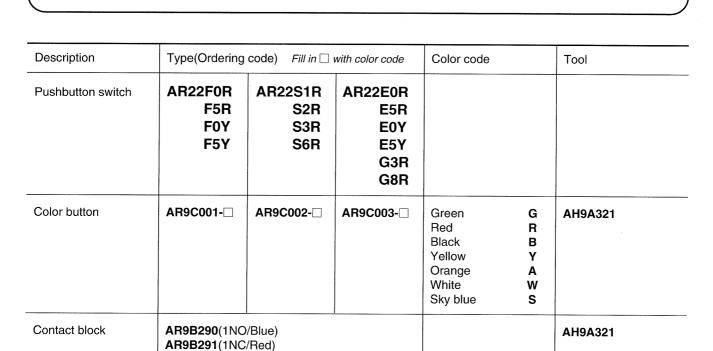
E5R/Alternate action

E₀Y

E5Y/Alternate action

AR22G3R

G8R/Alternate action



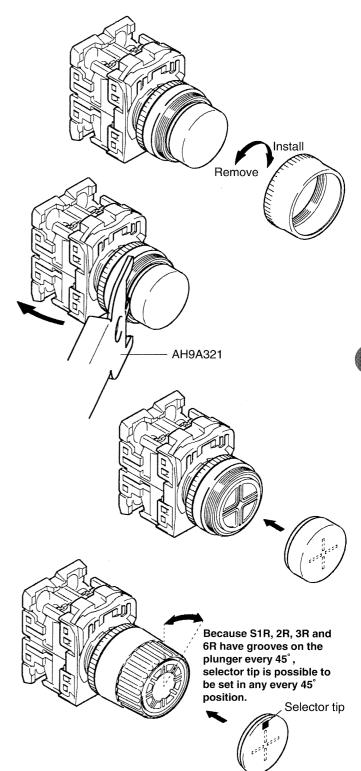


Replacing color button

- 1. Select the pushbutton to be modified.
- 2. For AR22G3R and G8R, remove the guard ring, unscrewing counterclockwise.
- 3. Insert the tip of tool AH9A321 into the slot between color button and frame. Remove the color button, levering the tool.

4. Place the new color button onto the plunger, fitting its cross projections to cross grooves of the plunger.

5. For AR22G3R and G8R, install the guard ring, screwing clockwise.

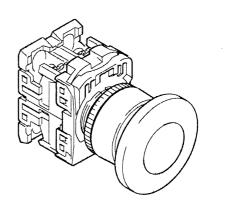




REPLACING OPERATOR

AR22M0R M5R/Alternate action M3R

AR22M4R M4Y

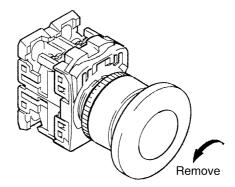


Description	Type(Ordering code)	Fill in □ with color code	Color code		Tool
Pushbutton switch	AR22M0R M5R M3R	AR22M4R M4Y			
Color button	AR9C007-□	AR9C006-□	Green Red Black Yellow Orange White Sky blue	G R B Y A W S	
Contact block	AR9B290(1NO/Blue) AR9B291(1NC/Red)				AH9A321

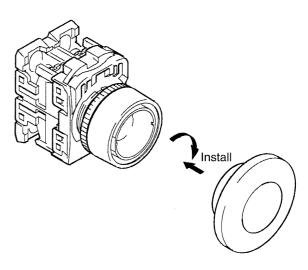


Replacing color button

- 1. Select the pushbutton to be modified.
- 2. Remove the color button, unscrewing counter-clockwise.



3. Place the new color button onto the plunger, screwing clockwise.





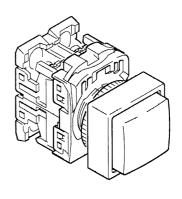
REPLACING OPERATOR

AR22F0S

F5S/Alternate action

AR22E0S

E5S/Alternate action

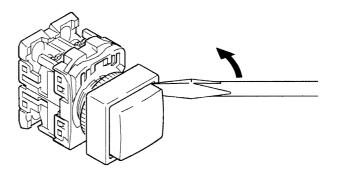


Description	Type(Ordering code)	Fill in 🗌 with color code	Color code		Tool
Pushbutton switch	AR22F0S F5S	AR22E0S E5S			
Color button	AR9C004-□	AR9C005-□	Green Red Black Yellow Orange White Sky blue	G R B Y A W S	Screwdriver
Contact block	AR9B290(1NO/Blue) AR9B291(1NC/Red)				AH9A321

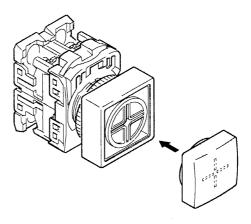


- Replacing color button

 1. Select the pushbutton to be modified.
- 2. Insert the tip of a small screw driver between the color button and frame. Remove the color button, levering the screwdriver.

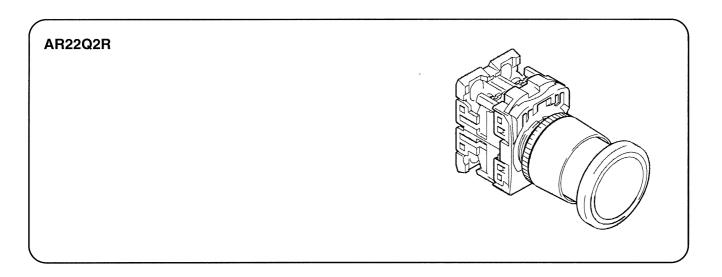


3. Put the new color button onto the plunger, fitting its cross injections to cross grooves of the plunger.





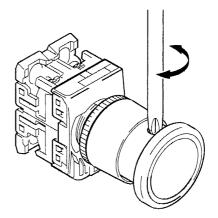
REPLACING OPERATOR



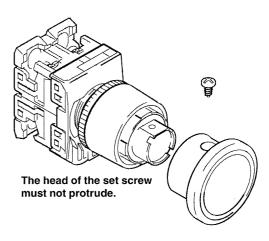
Description	Type(Ordering code) Fill in ☐ with color code	Color code	Tool
Emergency stop pushbutton switch	AR22Q2R		
Color button	AR9C010-□	Green G Red R Black B Yellow Y Orange A White W Sky blue S	Screwdriver
Contact block	AR9B290(1NO/Blue) AR9B291(1NC/Red)		AH9A321



- Replacing color button
 1. Select the pushbutton to be modified.
- 2. Loosen the set screw M3 \times 6 by using a screwdriver and remove it from the plunger.

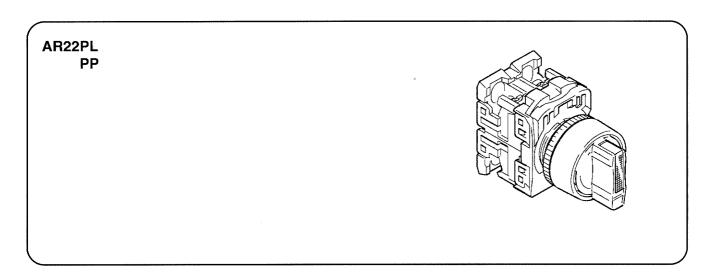


- 3. Pull the color button free from plunger.
- 4. Place the new color button on the plunger, aligning the set screw holes.
- 5. Reinstall the set screw M3 \times 6 and tighten.





REPLACING OPERATOR



Description	Type(Ordering code)	Fill in ☐■ with color code	Color code		Tool
Illuminated selector switch	AR22PL PP				
Color knob	AR9M005-□		Green Red Yellow Orange White Sky blue	G R Y A W S*	Screwdriver
LED lamp (BA9S/13)	6V AC 48mA 6V DC 56mA 12V AC/DC 34/28mA 24V AC/DC 18/14mA		Yellow Red Red/green Amber	Y R W A	АН9А790
Contact block	AR9B290(1NO/Blue) AR9B291(1NC/Red)				AH9A321

^{*} Color knob code S (Sky blue) for incandescent bulb only.

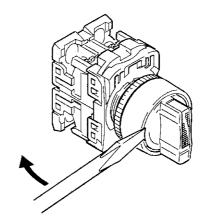
Combination of knob color and LED lamp color

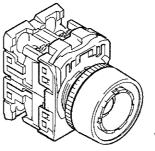
Luminous color (Type number code)		Color knob		LED lamp ■	
Green	G	Green	G	Yellow	Y
Red	R	Red	R	Red	R
Yellow	Y	Yellow	Y	Yellow	Y
Orange	A	Orange A White W		Amber	A
White	W			Red/Green	W



Replacing color knob

- 1. Select the selector switch to be modified.
- 2. Insert the tip of a small screwdriver into the slot between color knob and frame at one of two cutting of color knob.
- 3. Using leverage, remove the color knob.
- 4. Replace the new color knob onto the plunger, pressing until it fits into place.



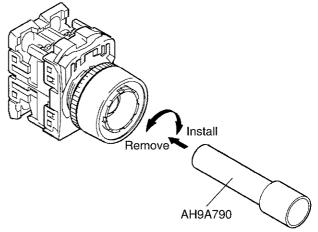


Because the plunger has fitting grooves every 45°, the knob is possible to be set in any position every 45°.



ReplacingLED lamp

- 1. Insert the tip of tool AH9A790 onto the LED lamp.
- 2. Remove the LED lamp, turning the tool counterclockwise.
- 3. Place the new LED lamp into the lamp base, turning the tool clockwise.



REPLACING OPERATOR

AR22PR

PCR/Control type

PΥ

PCY/Control type

AR22WR

WCR/Control type

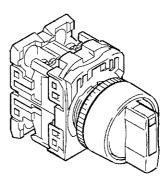
WY

WCY/Control type

AR22RR

RCR/Control type





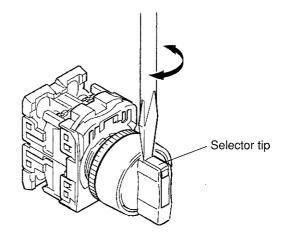
Description	Type(Ordering code) Fill in ☐ with color code			Color code		Tool	
Selector switch	AR22PR PY	AR22WR WY	AR22RR RY				
Color knob (lever)	AR9M006-□	AR9M007-□	AR9M008-□	Black Green Red	B G R	Screwdriver	
Contact block		AR9B290(1NO/Blue) AR9B291(1NC/Red)				AH9A321	

Description	Type(Ordering code) Fill in ☐ with color code		Color code		Tool	
Selector switch Control type	AR22PCR PCY	AR22WCR WCY	AR22RCR RCY			
Color knob (lever)	AR9M006-□	AR9M007-□	AR9M008-□	Black Green Red	B G R	Screwdriver
Contact block	Not available					

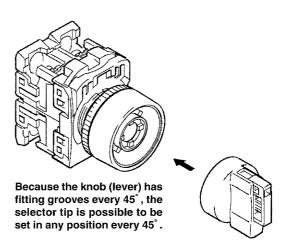


Replacing color knob (lever)

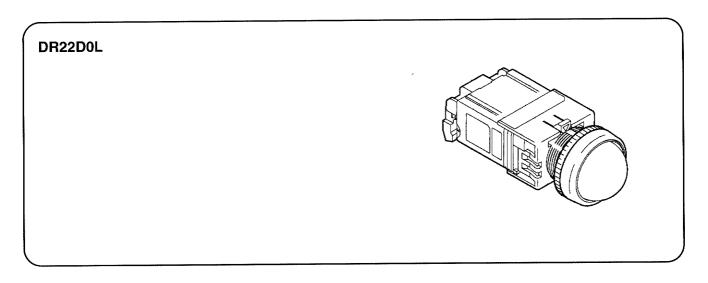
- 1. Select the selector switch to be modified.
- 2. Insert the tip of a small driver into the slot between selector tip and selector knob (lever).
- 3. Lift the tip up by turning the screwdriver.



- 4. Pull the selector knob (lever) free from the plunger.
- 5. Lift the tip of the new selector knob (lever).
- 6. Put the selector knob (lever) onto the plunger and press the tip down until it clicks into place.



REPLACING INDICATOR



Description	Type(Ordering code) Fill in □■ with color code	Color code	Tool
Pilot light	DR22D0L		
Color lens	DR9C001-□	Green G Red R Yellow Y Orange A White W Sky blue S*	AH9A702
LED lamp (BA9S/13)	6V AC 48mA DH9L510-A■ 6V DC 56mA DH9L510-6 ■ 12V AC/DC 34/28mA DH9L510-B■ 24V AC/DC 18/14mA DH9L510-E■	Yellow Y Red R Red/green W Amber A	АН9А790

^{*} Color lens code **S (Sky blue)** for incandescent bulb only.

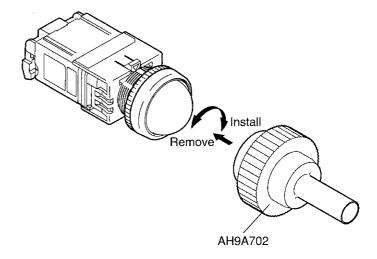
Combination of color lens and LED lamp color

Luminous color (Type number code)		Color lens		LED lamp ■	
Green	G	Green	G	Yellow	Υ
Red	R	Red	R	Red	R
Yellow	Υ	Yellow	Υ	Yellow	Υ
Orange	Α	Orange	Α	Amber	Α
White	W	White	W	Red/Green	W



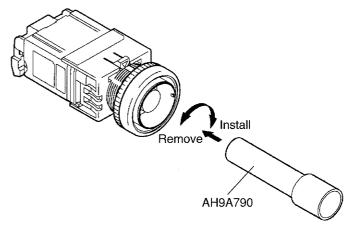
Replacing color lens

- 1. Select the pilot light to be modified.
- 2. Remove the color domed lens unscrewing counterclockwise using the tool AH9A702.
- 3. Replace the new color domed lens by screwing clockwise.



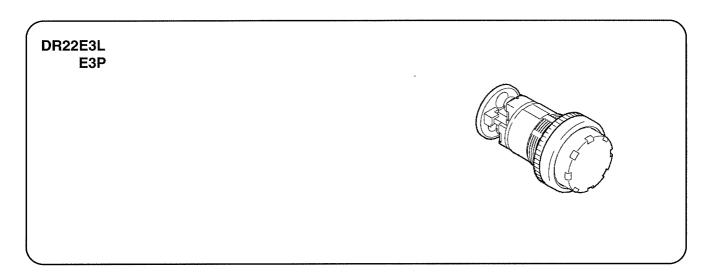
Replacing LED lamp

- 1. Insert the tip of tool AH9A790 onto the LED lamp.
- 2. Remove the LED lamp, turning the tool counterclockwise.
- 3. Place the new LED lamp into the lamp base, turning the tool clockwise.





REPLACING INDICATOR



Description	Type(Ordering code)	Fill in □■ with color code	Color code		Tool
Pilot light	DR22E3L E3P				
Color lens	AR9C012-□		Green Red Yellow Orange Clear Sky blue	G R Y A C S*	AR9A004
LED lamp (BA9S/13)	6V AC 48mA 6V DC 56mA 12V AC/DC 34/28mA 24V AC/DC 18/14mA	DH9L510-A■ DH9L510-6■ DH9L510-B■ DH9L510-E■	Yellow Red Red/green Amber	Y R W A	AH9A790

^{*} Color lens code S (Sky blue) for incandescent bulb only.

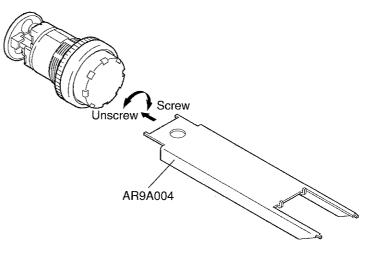
Combination of color lens and LED lamp color

Luminous color (Type number code)		Color lens		LED lamp ■		
Green	G	Green	G	Yellow	Υ	
Red	R	Red	R	Red	R	
Yellow	Y	Yellow	Υ	Yellow	Υ	
Orange	Α	Orange	Α	Amber	Α	
White	W	Clear	С	Red/Green	W	
		1				



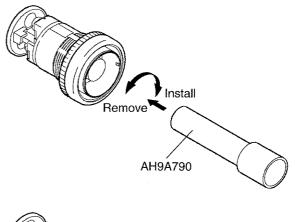
Replacing color lens

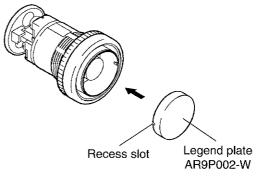
- 1. Select the pilot light to be modified.
- 2. Insert the teeth of tool AR9A004 into the groves of color button.
- 3. Remove the color lens by unscrewing counterclockwise.
- 4. Replace the new color lens by screwing clockwise.



Replacing LED lamp

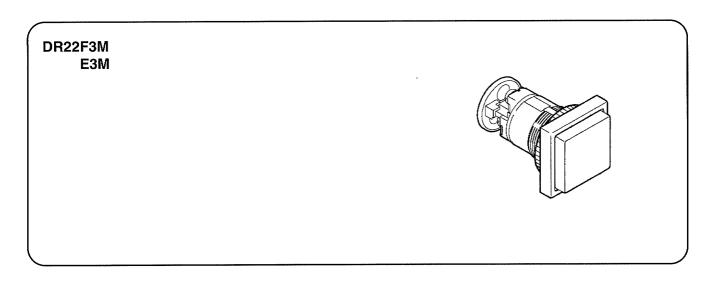
- 1. Remove the legend plate AR9P002-W from the plunger.
- 2. Insert the tip of tool AH9A790 onto the LED lamp.
- 3. Remove the LED lamp, turning the tool counterclockwise.
- 4. Place the new LED lamp into the lamp base, turning the tool clockwise.
- 5. Place the legend plate onto the plunger, fitting its two of four recess slots to two projections of the plunger.





11

REPLACING INDICATOR



Description	Type(Ordering code) Fill in □■ with color code		Color code		Tool	
Pilot light	DR22F3M	DR22E3M				
Color lens	DR9C126-□	AR9C014-□	Green Red Yellow Orange Clear Sky blue	G R Y A C S*	Screwdriver	
LED lamp (BA9S/13)	6V AC 48mA 6V DC 56mA 12V AC/DC 34/28mA 24V AC/DC 18/14mA	DH9L510-A■ DH9L510-6■ DH9L510-B■ DH9L510-E■	Yellow Red Red/green Amber	Y R W A	AH9A790	

^{*} Color lens code **S (Sky blue)** for incandescent bulb only.

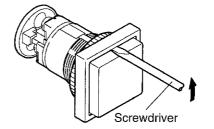
Combination of color lens and LED lamp color

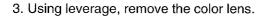
Luminous color (Type number code)		Color lens		LED lamp ■	
Green	G	Green	G	Yellow	Υ
Red	R	Red	R	Red	R
Yellow	Υ	Yellow	Υ	Yellow	Υ
Orange	Α	Orange	Α	Amber	Α
White	W	Clear C		Red/Green W	



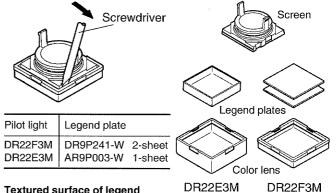
Replacing color lens

- 1. Select the pilots light to be modified.
- 2. Insert the tip of a screwdriver into the slot between the color lens and the frame at one of four recess slots of the color lens.





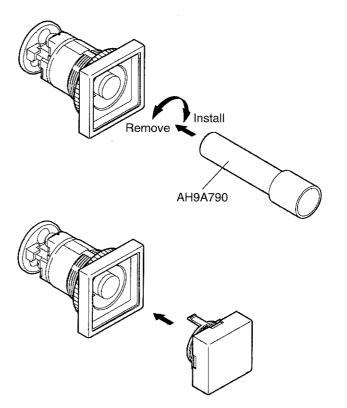
- 4. The color lens with screen will be removed.
- 5. Put the legend plate(s) into the new color lens.
- 6. Fasten the screen into the color lens, pressing until it clicks into place.
- 7. Replace the color lens into the frame, pressing it fits into place.



Textured surface of legend plate(s) should be facing forward.

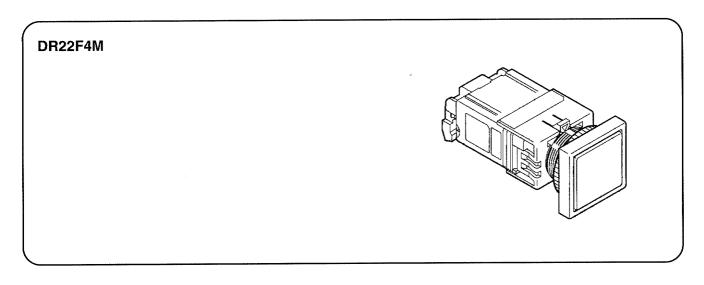
Replacing LED lamp

- 1. Insert the tip of tool AH9A790 onto the LED lamp.
- 2. Remove the LED lamp, turning the tool counterclockwise.
- 3. Place the new LED lamp into the lamp base, turning the tool clockwise.





REPLACING INDICATOR



Description	Type(Ordering code) Fill in □■ with color code	Color code		Tool
Pilot light	DR22F4M			
Color lens	DR9C126-C	Clear	С	Screwdriver
Color plate	DR9P241-□	Green Red Yellow Orange White Sky blue	G R Y A W S*	
LED lamp (BA9S/13)	6V AC 48mA DH9L510-A■ 6V DC 56mA DH9L510-6■ 12V AC/DC 34/28mA DH9L510-B■ 24V AC/DC 18/14mA DH9L510-E■	Yellow Red Orange	Y R O	АН9А790

^{*} Color lens code **S (Sky blue)** for incandescent bulb only.

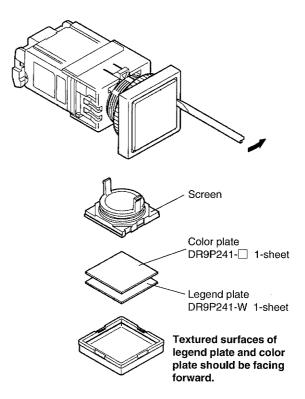
Combination of color lens and LED lamp color

Luminous color (Type number code)		Color lens		LED lamp ■	
Green	G	Green	G	Yellow	Υ
Red	R	Red	R	Red	R
Yellow	Υ	Yellow	Y	Yellow	Υ
Orange	Α	Orange	Α	Orange	0
White	W	White	W	Orange	0



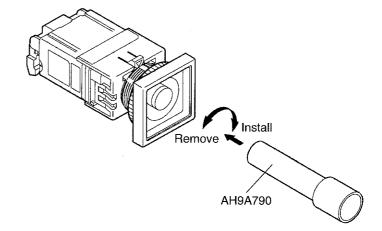
Replacing color lens

- 1. Select the pilot light to be modified.
- 2. Insert the tip of a screwdriver into the slot between the color lens and frame at one of four recess slots of the color lens.
- 3. Using leverage, remove the color lens.
- 4. The color lens with screen will be removed.
- 5. Separate the screen from the color lens, levering the screwdriver.
- Put the legend plate and color plate into the new color lens then fasten the screen until it clicks into place.
- 7. Replace the new color lens with screen into the frame.



Replacing LED lamp

- 1. Insert the tip of tool AH9A790 onto the LED lamp.
- 2. Remove the LED lamp, turning the tool counterclockwise.
- 3. Place the new LED lamp into the lamp base, turning the tool clockwise.

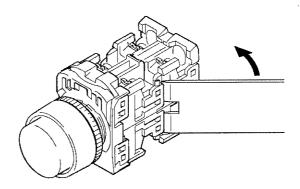


AR22E0L, E0M, E0P, E0S, E0R, E0Y AR22E5L, E5M, E5P, E5S, E5R, E5Y AR22F0L, F0P, F0R, F0S, F0Y AR22F5L, F5P, F5R, F5S, F5Y AR22G4L, G9L AR22G3R, G8R AR22M0L, M0R AR22M3R

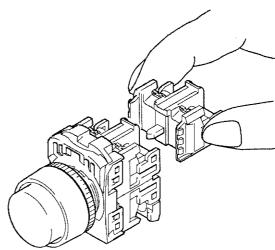
AR22M4L, M4P, M4R, M4Y

AR22M5L, M5R
AR22S1R, S2R, S3R, S6R
AR22Q2R
AR22PR, WR, RR, JR
AR22PY, WY, RY, JY
AR22PL, PP
AR22V2L, VAL
AR22V2R, V4R

- Select the illuminated pushbutton, pushbutton or selector switch to be modified.
- 2. To detatch contact block(s) with terminal cover, use tool AH9A321 to open mounting legs slightly, and remove the contact block with terminal cover.



- 3. Additional contact block(s) without terminal cover can be snap-fitted into the operator base. Push the contact block straight into the mounting legs of the operator base or those of contact block which has been mounted into the operator base until they click into place.
- 4. Complete the contact block arrangement to mount contact block(s) with terminal cover finally.



- When adding more than two contact blocks, align the slots on the both sides and make sure that the contact blocks facing each other are not open.
- To handle contact block with terminal cover, don't separate each of them.

 Because the terminal cover is designed not easy to separate from the contact block.

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Illuminated pushbutton switches, without transformer

AR22F0L, E0L, G4L, AR22M0L, M4L, AR22F0P, E0P, M4P, AR22E0M

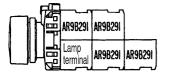
Ordering code of contact arrangements



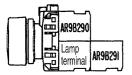


Name plate

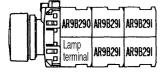
04 4NC



11 1NO • 1NC



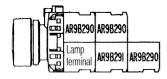
14 1NO • 4NC



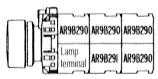
22 2NO • 2NC



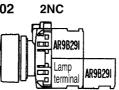
31 3NO • 1NC



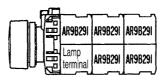
41 4NO • 1NC



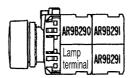




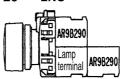
05 5NC



12 1NO • 2NC



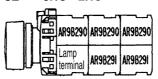
20 **2NO**



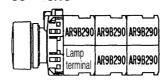
23 2NO • 3NC

	AR9B290	AR9B290	AR9B29I
	Lamp terminal	AR9B29I	AR9B291

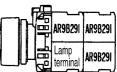
32 3NO • 2NC



50 **5NO**



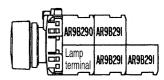




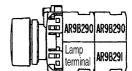
10 **1NO**



13 1NO • 3NC



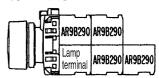
21 2NO • 1NC



30 **3NO**



40 **4NO**



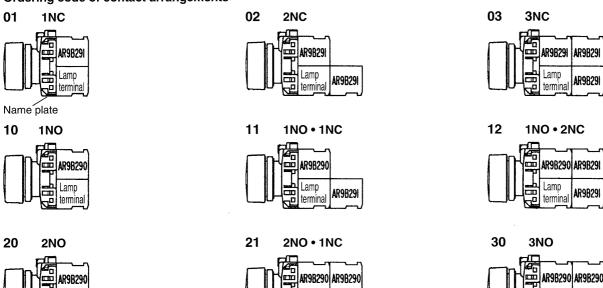


Illuminated pushbutton switches, without transformer

AR22F5L, E5L, G9L, AR22M5L, AR22F5P, E5P, AR22E5M, AR22V2L, VAL

Ordering code of contact arrangements

Lamp terminal



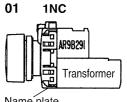
terminal



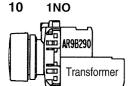
Illuminated pushbutton switches, with transformer

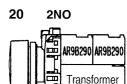
AR22F0L, E0L, G4L, AR22M0L, M4L, AR22F0P, E0P, M4P, AR22E0M

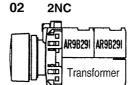
Ordering code of contact arrangements

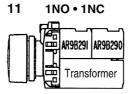


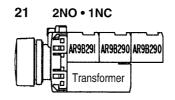
Name plate

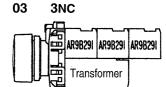


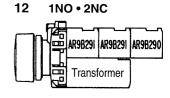


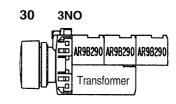








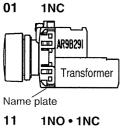


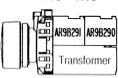


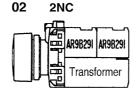
Illuminated pushbutton switches, with transformer

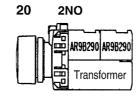
AR22F5L, E5L, G9L, AR22M5L, AR22F5P, E5P, AR22E5M, AR22V2L, VAL

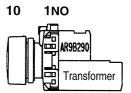
Ordering code of contact arrangements





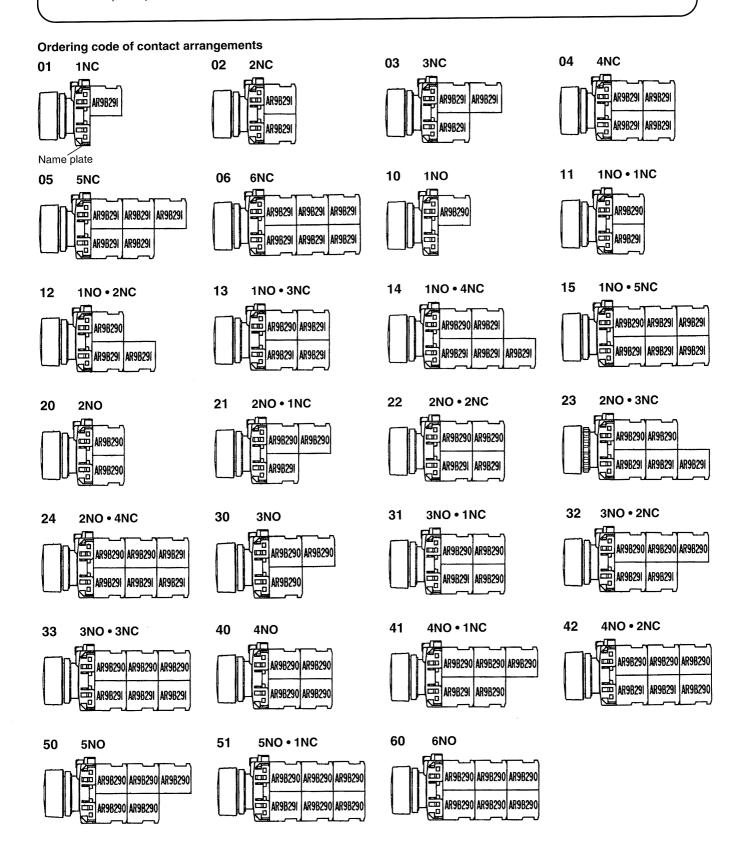






Pushbutton switches

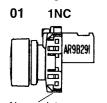
AR22F0R, E0R, AR22G3R, AR22M0R, M3R, M4R, AR22F0Y, E0Y, M4Y, AR22F0S, E0S



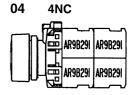
Pushbutton switches

AR22F5R, E5R, AR22G8R, AR22M5R, AR22F5Y, E5Y, AR22F5S, E5S, AR22V2R, V4R

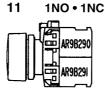
Ordering code of contact arrangements

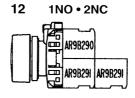


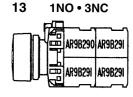
2NC AR9B29 03 3NC AR9B29I AR9B291

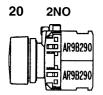


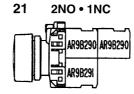
Name plate **1NO**

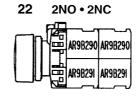


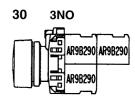


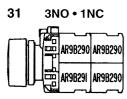


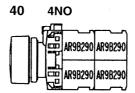






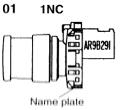


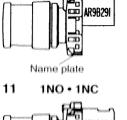


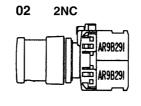


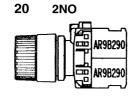
Emergency stop pushbutton switch AR22Q2R

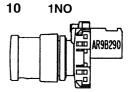
Ordering code of contact arrangements













CONTACT BLOCK ARRANGEMENT

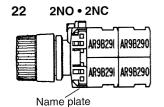
Pushbutton switches, with selector rings

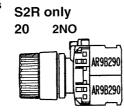
AR22S1R, S2R, S3R, S6R

Selector switches, spring return

AR22PR-1, WR-1, RR-1, JR-1, PY-1, WY-1, RY-1, JY-1

Ordering code of contact arrangements

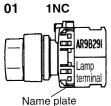


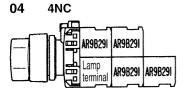


Illuminated selector switches, maintained, without transformer

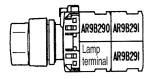
AR22PL-2, PL-3, AR22PP-2, PP-3

Ordering code of contact arrangements

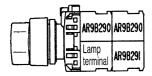




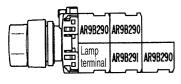
12 1NO • 2NC



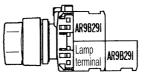
21 2NO • 1NC



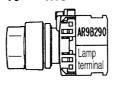
3NO • 1NC 31



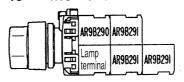
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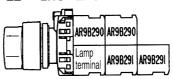
10 **1NO**



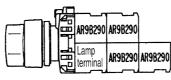
13 1NO • 3NC



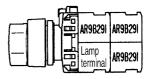
22 2NO • 2NC



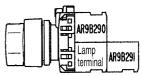
4NO 40



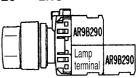
03 3NC



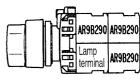
1NO • 1NC 11



2NO 20



30 **3NO**



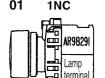


Illuminated selector switches, spring return, without transformer

AR22PL-0, AR22PP-0

Illuminated selector switches, spring/manual return, without transformer AH22PL-6, PL-7, AR22PP-6, PP-7

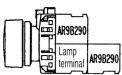
Ordering code of contact arrangements



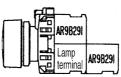
Name plate



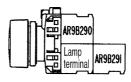
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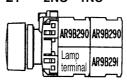
02 2NC



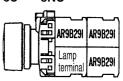
11 1NO • 1NC



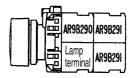
21 2NO • 1NC



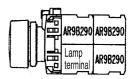
03 3NC



12 1NO • 2NC



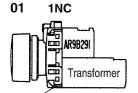
30 3NO



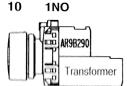
Illuminated selector switches, maintained, with transformer

AR22PL-2, PL-3, AR22PP-2, PP-3

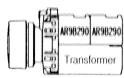
Ordering code of contact arrangements



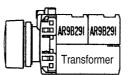
Name plate



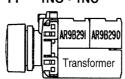
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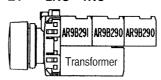
02 2NC



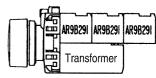
11 1NO • 1NC



21 2NO • 1NC



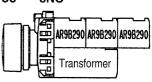
03 3NC



12 1NO • 2NC



30 3NO

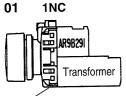


CONTACT BLOCK ARRANGEMENT

Illuminated selector switches, spring return, with transformer Illuminated selector switches, spring/manual return, with transformer AH22PL-6, PL-7, AR22PP-6, PP-7

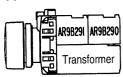
AR22PL-0, AR22PP-0

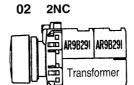
Ordering code of contact arrangements

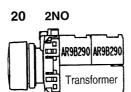


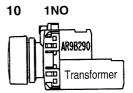
Name plate

1NO • 1NC 11









Selector switches, maintained

AR22PR-2, PR-3, WR-2, WR-3, RR-2, RR-3

AR22JR-2, JR-3

AR22PY-2, PY-3, WY-2, WY-3, RY-2, RY-3

AR22JY-2, JY-3

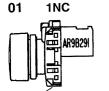
Selector switches, spring return

AR22PR-0, WR-0, RR-0, JR-0, PY-0, WY-0, RY-0, JY-0

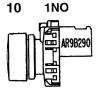
Selector switches, spring/manual return

AR22PR-6, PR-7, WR-6, WR-7, RR-6, RR-7, JR-6, JR-7 AR22PY-6, PY-7, WY-6, WY-7, RY-6, RY-7, JY-6, JY-7

Ordering code of contact arrangements



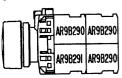
Name plate



20 **2NO**



3NO • 1NC 31



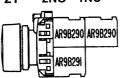
2NC



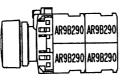
1NO • 1NC



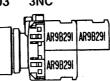
21 2NO • 1NC



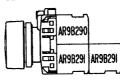
40 **4NO**



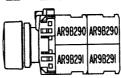
03 3NC



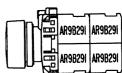
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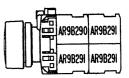
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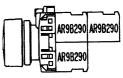
04 4NC



1NO • 3NC 13



30 **3NO**



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