

Push Buttons and Operator Interface Specifiers Guide

Type J Pilot Lights - Description and Selection

Pilot Lights, Push-To-Test and Remote Test Pilot Lights



JP1R29



JTR1R29

Class 9001 Type J compact pilot lights are designed to be mounted in a 0.69" (11/16") diameter mounting hole. Each terminal will accept up to two #14 AWG wires (CU only). Type J compact pilot lights meet NEMA Type 4 (watertight) and NEMA Type 13 (oiltight) requirements. Type JT push-to-test pilot lights have contacts built into the encapsulated body. Type JTR remote test pilot lights have dual inputs for one push remote testing – all you need is a push button with a current rating equal to or greater than the total lamp draw. Type JTR remote test pilot lights can also be energized from two separate input signals of the same voltage and polarity. This is done by wiring the “test” terminal to the second input signal.

Standard Pilot Light

Style/Voltage	Color Cap				Lamp Volt/Amp	Replacement Lamp
	None	Red ●	Green ●	Yellow ●		
Trans/110-120Vac, 50-60 Hz	JP1	JP1R29	JP1G29	JP1Y29	6.3 V, 0.15A	2550101020
Incandescent/120 Vac or dc	JP38	JP38R29	JP38G29	JP38Y29	120 V, 0.015A	2550101040
Incandescent/24-28 Vac or dc	JP35	JP35R29	JP35G29	JP35Y29	28 V, 0.040A	2550101024
Other Voltages*	JP*	JP*R29	JP*G29	JP*Y29		
LED – 24-28 Vac	–	JP35LRR29	JP35LGG29	JP35LYY29	28 V, 0.03A	(1)
LED – 24-28 Vdc	–	JP35DRR29	JP35DGG29	JP35DYY29	28 V, 0.03A	(1)
LED – 120Vac	–	JP38LRR29	JP38LGG29	JP38LYY29	28 V, 0.03A	(1)

Push-To-Test Pilot Light

Style/Voltage	Color Cap				Lamp Volt/Amp	Replacement Lamp
	None	Red ●	Green ●	Yellow ●		
Trans/110-120Vac, 50-60 Hz	JT1	JT1R29	JT1G29	JT1Y29	6.3 V, 0.15A	2550101020
Incandescent/120 Vac or dc	JT38	JT38R29	JT38G29	JT38Y29	120 V, 0.15A	2550101040
Incandescent/24-28 Vac or dc	JT35	JT35R29	JT35G29	JT35Y29	28 V, 0.040A	2550101024
Other Voltages*	JT*	JT*R29	JT*G29	JT*Y29		
LED – 24-28 Vac	–	JT35LRR29	JT35LGG29	JT35LYY29	28 V, 0.03A	(1)
LED – 24-28 Vdc	–	JT35DRR29	JT35DGG29	JT35DYY29	28 V, 0.03A	(1)
LED – 120 Vac	–	JT38LRR29	JT38LGG29	JT38LYY29	28 V, 0.03A	(1)

Remote Test Pilot Light

Style/Voltage	Color Cap				Lamp Volt/Amp	Replacement Lamp
	None	Red ●	Green ●	Yellow ●		
Trans/110-120 Vac, 50-60 Hz	JTR1	JTR1R29	JTR1G29	JTR1Y29	6.3 V, 0.15A	2550101020
Incandescent/120 Vac	JTR38	JTR38R29	JTR38G29	JTR38Y29	120 V, 0.015A	2550101040
Incandescent/24-28 Vac	JTR35	JTR35R29	JTR35G29	JTR35Y29	28 V, 0.040A	2550101024
Other Voltages (ac Only)*	JTR*	JTR*R29	JTR*G29	JTR*Y29		
LED – 24-28 Vac	–	JTR35LRR29	JTR35LGG29	JTR35LYY29	28 V, 0.03A	(1)

(1) See Page 148 for replacement LED lamps. For other voltage LED lamps contact local field office.

- Supplied with “plastic” color caps. If “glass” color caps are desired, substitute G26, R26, etc., for G29, R29, etc. Example: JP1G26, JP1R26, etc. To order a pilot light with color cap not listed above, add the color cap type number from the table below to the basic pilot light number. Example: For a standard 120 volt transformer style pilot light with a plastic amber color cap, order a 9001JP1A29. **LED lamps are only for use with plastic red, green or yellow color caps.**

* Remote test (Type JTR) only is available in AC.

Other Voltages*						
Voltage	JP/JT Code	Replacement Lamp	Volt/Amp	JTR Code	Replacement Lamp	Volt/Amp
Incandescent/6 Vac or dc	31	2550101020	6.3 V, 0.15A	31	2550101003	3 V, 0.16A
Incandescent/12 Vac or dc	32	2550101022	12 V, 0.17A	32	2550101022	12 V, 0.17A
Incandescent/48 Vac or dc	36	2550101025	48 V, 0.053A	36	2550101025	48 V, 0.053A
Incandescent/60 Vac or dc	37	2550101026	60 V, 0.05A	37	2550101026	60 V, 0.05A

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Type J Pilot Lights - Dimensions and Accessories

Legend Plates

Type		Max. No. of Lines	Max. No. of Characters	Catalog Number
Blank	Black Field	2	8	JN100
	Red Field	2	8	JN100R
Special Marking (Specify Marking)	Black Field	2	8	JN199
	Red Field	2	8	JN199R
Blank	Aluminum Field	2	16	JN700
Special Marking (Specify Marking)	Aluminum Field	2	16	JN799

Replacement Color Caps - Class 9001, Type J

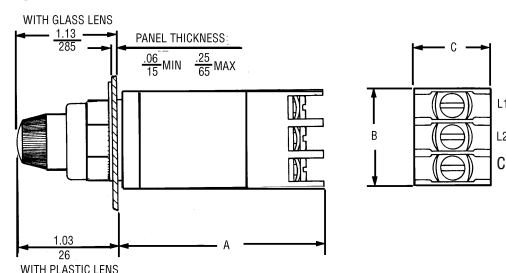
Color	Catalog Number	
	Plastic	Glass
Red	R29	R26
Green	G29	G26
Amber	A29	A26
Blue	L29	L26
Clear	C29	C26
White	W29	W26
Yellow	Y29	Y26

Replacement Parts - Class 9001, Type J

Type	Catalog Number
Ring Nut	6512909601
Locking Thrust Washer	6512909201
Trim Washer	6512909301
Rubber Sealing Washer	6512901801

NOTE: Octagonal ringnuts can be tightened with standard tools, or use the reverse end of Square D wrench Class 9001 Type K95.

Type J Dimensions



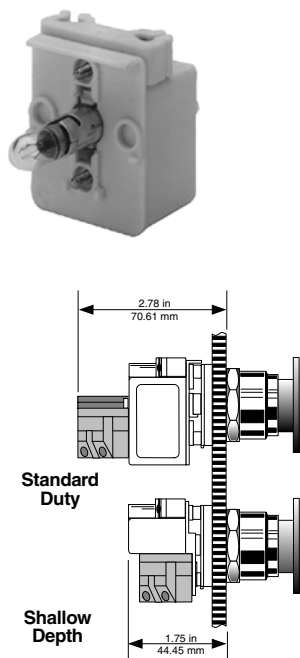
Type	A	B	C
JTR1	2.83"	1.20"	0.93"
JP, JT, JTR31 through JTR38	2.34"	1.11"	0.84"

Push Buttons and Operator Interface - Type K and SK, 30 mm Light Modules Type K, SK, KX, and T

Standard Light Modules for Types K, SK, and KX Control Units ④

For use in hazardous locations – See page 150.

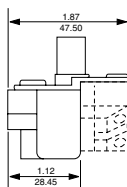
- Neon type light modules — use CLEAR color caps only.
- LED light modules require the color cap color and the LED color be the same or use a clear color cap.



Dual Dimensions inches
mm



Side View



Side View
Shown with 9001 KA contact block

Voltage	Description	For Use With Single Lamp III. Operators as Indicated ①	Light Module Type No. ⑤	Voltage Assembly Code	Rating	Replacement Lamps ③ ④	
						Lamp Number (ANSI)	Lamp Part Number ⑤
6 Vac-dc	Full Voltage	All	KM31	31	0.9 VA	755	2550101020
6 Vac-dc	LED Red	All Except ②	KM31LR	31LR	0.65 VA		6508805201
6 Vac-dc	LED Green	All Except ②	KM31LG	31LG	0.65 VA		6508805203
6 Vac-dc	LED Yellow	All Except ②	KM31LY	31LY	0.65 VA		6508805202
12-14 Vac-dc	Full Voltage	All	KM32	32	1.2 VA	756	2550101037
12-14 Vac-dc	LED Red	All Except ②	KM32LR	32LR	0.50 VA		6508805201
12-14 Vac-dc	LED Green	All Except ②	KM32LG	32LG	0.50 VA		6508805203
12-14 Vac-dc	LED Yellow	All Except ②	KM32LY	32LY	0.50 VA		6508805202
18 Vac-dc	Resistor	All	KM33	33	1.4 VA	756	2550101037
24-28 Vac-dc	Full Voltage	All	KM35	35	1.2 VA	757	2550101002
24-28 Vac-dc	LED Red	All Except ②	KM35LR	35LR	0.50 VA		6508805204
24-28 Vac-dc	LED Green	All Except ②	KM35LG	35LG	0.50 VA		6508805206
24-28 Vac-dc	LED Yellow	All Except ②	KM35LY	35LY	0.50 VA		6508805205
32 Vac-dc	Resistor	All	KM23	23	2.5 VA	757	2550101002
48 Vac-dc	Full Voltage	All	KM36	36	2.6 VA	48MB	2550101025
48 Vac-dc	LED Red	All Except ②	KM36LR	36LR	0.50 VA		6508805204
48 Vac-dc	LED Green	All Except ②	KM36LG	36LG	0.50 VA		6508805206
48 Vac-dc	LED Yellow	All Except ②	KM36LY	36LY	0.50 VA		6508805205
60 Vac-dc	Full Voltage	All	KM37	37	3.0 VA	60MB	2550101026
60 Vac-dc	LED Red	All Except ②	KM37LR	37LR	0.50 VA		6508805204
60 Vac-dc	LED Green	All Except ②	KM37LG	37LG	0.50 VA		6508805206
60 Vac-dc	LED Yellow	All Except ②	KM37LY	37LY	0.50 VA		6508805205
110-120 V, 25-30 Hz	Transformer	All Except ②	KM2	2	2.2 VA	1490	2550101003
110-120 V, 50-60 Hz	Transformer	All Except ②	KM1	1	2.4 VA		2550101020
110-120 V, 50-60 Hz	Flashing	All Except ②	KMF1	F1	0.85 VA		2550101036
120 Vac-dc	Resistor	All	KM38	38	3.0 VA	120MB NE51H	2550101027
120 Vac-dc	Full Voltage	All	KM38	38	3.0 VA		2550101027
120 Vac-dc	Neon	All Except ②	KM11	11	0.2 VA		2550101013
120 Vac-dc	LED Red	All Except ②	KM38LR	38LR	4.0 VA		6508805204
120 Vac-dc	LED Green	All Except ②	KM38LG	38LG	4.0 VA		6508805206
120 Vac-dc	LED Yellow	All Except ②	KM38LY	38LY	4.0 VA		6508805205
208-220 V, 50-60 Hz	Transformer	All Except ②	KM3	3	2.5 VA	755	2550101020
220-240 V, 25-30 Hz	Transformer	All Except ②	KM4	4	2.2 VA	1490	2550101003
220-240 V, 50-60 Hz	Transformer	All Except ②	KM7	7	2.4 VA		2550101020
220-240 V, 50-60 Hz	Flashing	All Except ②	KMF7	F7	2.0 VA		2550101036
240 Vac-dc	Resistor	All Except ②	KM25	25	6.0 VA	120MB NE51H	2550101027
240 Vac-dc	Neon	All Except ② and KX	KM12	12	0.3 VA		2550101013
277 V, 50-60 Hz	Transformer	All Except ②	KM8	8	2.4 VA	755	2550101020
380 Vac-dc	Neon	All Except ② and KX	KM13	13	0.4 VA	NE51H	2550101013
380-480 V, 50-60 Hz	Transformer	All Except ②	KM5	5	2.8 VA	755 NE51H	2550101020
480 Vac-dc	Neon	All Except ② and KX	KM14	14	0.5 VA		2550101013
550 Vac-dc	Neon	All Except ② and KX	KM15	15	0.6 VA	NE51H 755	2550101013
550-600 V, 50-60 Hz	Transformer	All Except ②	KM6	6	2.5 VA		2550101020

Replacement lamps for Series G 120Vac LED Light Modules ③

Voltage	Description	Lamp Part Number
120 Vac Only	LED Red	6508805207
120 Vac Only	LED Green	6508805209
120 Vac Only	LED Yellow	6508805208

Shallow Depth Light Modules For Types K and SK Control Units

For use in hazardous locations – See page 150. Reduces the depth of illuminated push buttons with contact blocks by over 33%.

- LED light modules require the color cap color and the LED color be the same or use a clear color cap.

Voltage	Description	For Use With Single Lamp III. Operators as Indicated ⑤	Light Module Type No. ⑤	Voltage Assembly Code	Rating	Replacement Lamps ③ ④	
						Lamp Number (ANSI)	Lamp Part Number ⑤
24-28 Vac-dc	Full Voltage	All Except ② and KX	KM55	55	1.2 VA	757	2550101002
24-28 Vac-dc	LED Red	All Except ② and KX	KM55LR	55LR	0.5 VA		6508805204
24-28 Vac-dc	LED Green	All Except ② and KX	KM55LG	55LG	0.5 VA		6508805206
24-28 Vac-dc	LED Yellow	All Except ② and KX	KM55LY	55LY	0.5 VA		6508805205
110-120 Vac-dc	Full Voltage	All Except ② and KX	KM58	58	3.0 VA	120MB	2550101027
110-120 Vac-dc	LED Red	All Except ② and KX	KM58LR	58LR	0.5 VA		6508805204
110-120 Vac-dc	LED Green	All Except ② and KX	KM58LG	58LG	0.5 VA		6508805206
110-120 Vac-dc	LED Yellow	All Except ② and KX	KM58LY	58LY	0.5 VA		6508805205

① 9001 K, SK, KX.

② Do not use on any remote test version pilot light.

③ LED lamps shown here will also function in Class 9001 Type J pilot lights.

④ For Series A through F light modules – see page 158.

⑤ All light modules with a LED above 12 V use a 14 V Bipolar LED.

⑥ 9001K, SK, T