

# Technical Information - Indicators

The majority of Arcoelectric indicator lights can be supplied with alternative light sources:

## Neon, Incandescent or LED.

### NEON LAMPS

#### Colors

Available with Red, Amber, Green, Blue or Clear lenses.

#### Maximum firing voltages

Standard brightness types 65Vac 90Vdc.

High brightness types 85Vac 135Vdc.

High brightness types are usually fitted.

#### Life

Typically 25,000 hours (Green fluorescent lamps 20,000 hours). (Measured to a point when the light output of the lamp is half its original level.)

The end of life for a neon lamp is not usually a sudden failure.

#### False signals due to long wiring

It is possible for neon or fluorescent tubes to glow when they should be off. The false signal is caused by the capacitance effect of fairly long wiring to the indicator being adjacent to other live cables. This effect can be prevented in most cases by fitting a 100k resistor across the supply wires close to the indicator assembly.

### MATERIALS

Moulded bodies and bases . . . . .Nylon 6.6

Metal bodies and bezels . . . . .Chrome plated brass (except #)

Lenses . . . . .Polycarbonate

Terminals (most types) . . . . .Brass (electro-tin plated)

Terminals (exceptions) . . . . .Brass (flash silver\* or nickel\*\* plated)


Threaded metal nuts . . . . .Brass (nickel plated on 0275/7)


Other fixings . . . . .Call sales for details


\* R9, 0061, 0062, 0430, 0480, 1090, 1091, 6030, 7030, 8630, 8580

\*\* # 3130, 3160, 3161, 3221 have nickel plated terminals with steel screws and plated polyamide bezel trims

### SYMBOLS

 Terminals  
C 6.3, H 4.8, K 2.8

 Wire leads  
8" length Standard

 Solid wires  
LED only

 Panel hole size

 Panel thickness

 Temperature rating

### INCANDESCENT LAMPS

#### Colors

Available with Red, Amber, Green, Clear or Blue lenses.

#### LEDs - DC

#### Colors

Red, Yellow, Green, Blue and White.

#### Voltage

Basic voltage 2.0/2.2V. Some items are available with integral resistors for 12V use. For details of resistors required for higher voltages, please call sales.

#### Current

Maximum continuous forward current 20mA.

#### Life

>100,000hrs

#### LEDs - AC

#### Colors

Red, Yellow, Green, Blue and White.

#### Voltage

Rated up to 230V ac, suitable for use at 110V and 230V ac.

#### Current

<3mA

#### Life

>100,000hrs

### TEMPERATURE RATING

Authority	with Terminals	with Wire leads	
		PVC	SILICONE
European	T125°C	T105°C	T125°C
UL	T65/75°C	T65/75°C	

## NL 589 WL 2G

SERIES MODEL TERMINAL LAMP / VOLTAGE / COLOR  
CODES CODES CODES CODES

## ORDER FORMAT

SERIES CODES	MODEL CODES	TERMINAL CODES	LAMP TYPE VOLTAGE & COLOR			
			CODES for FL & LH	CODES for LE	CODES for NL	
FL Incandescent Lamps	67	WL Wire Leads	Incandescent Lamps AC or DC	LEDs DC	LEDs AC	Neon Lamps AC or DC
	81					
	145					
	177					
	180 AA/BB					
	195 00/BB					
	196					
233	C 6.3 Tab	7A is 12V Amber	3900 is 1.7V Red	5A is 125-250V Amber	2A is 105-130V Amber	
234						
245						
273 /LL						
275 /C						
276						
277						
278	H 4.8 Tab	8A is 24V Amber	39006 is 6V Red	5B is 125-250V Blue	2C is 105-130V Clear	
566						
568 A/B						
569						
579						
581						
582						
586	T Solder	8B is 24V Blue	39016 is 6V Amber	5C is 125-250V Clear	2G is 105-130V Green	
589						
1041						
1045						
2950						
2951						
2760						
2820	LH Lamp Holders 6, 12, 24V only	8C is 24V Clear	39026 is 6V Green	5D is 125-250V Green	2R is 105-130V Red	
2821						
2870						
3130						
3160						
3161						
3221						
61	For LH, if lamp not required, state "COLOR" only	8G is 24V Green	39007 is 12V Red	5E is 125-250V Red	3A is 250V Amber	
62						
63						
67						
382						
392						
692						
62	For LH, if lamp not required, state "COLOR" only	8R is 24V Red	39017 is 12V Amber	5F is 125-250V Amber	3C is 250V Clear	
63						
67						
382						
392						
692						
692						

For LH, if lamp not required, state "COLOR" only