

DLS19

VACUUM THERMAL DELAY SWITCH

GENERAL

The DLS19 is a miniature-based Vacuum Thermal Delay Switch with an AC switch rating of 2 amps at 250 volts, or 100 mA at 500 volts. It has a heater rating of 0.5 amps at 6.3 volts, and switch closure delay times of from 35 to 70 seconds, the switch being open when cold. It is compensated to maintain a constant closure delay time in the ambient temperature range—40°C to +85°C.

RATING

Heater Voltage	(volts)	V_h	6.3
Heater Current	(amps)	I_h	0.5
Minimum Delay Time	(secs)	$t_{sd}(\min)$	35
Maximum Delay Time	(secs)	$t_{sd}(\max)$	70
Maximum Switch Current at 250 volts r.m.s. (AC)	(amps)	$I(\text{rms})_{\max}$	2
Maximum Switch Current at 500 volts r.m.s. (AC)	(mA)	$I(\text{rms})_{\max}$	100
Maximum Switch Current at 250 volts (DC)	(amps)	$I(\text{DC})_{\max}$	1
Maximum Heater to Contact Voltage	(volts)	V_{h-c}	200

DIMENSIONS

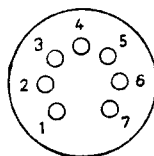
Maximum Overall Length	(mm)	54
Maximum Seated Height	(mm)	48
Maximum Diameter	(mm)	19
Approximate Nett Weight	(ozs)	$\frac{1}{4}$
Approximate Packed Weight	(ozs)	$\frac{1}{2}$

MOUNTING POSITION—Unrestricted

DLS19
VACUUM THERMAL DELAY SWITCH

OPERATION

See "Application notes on Vacuum Thermal Delay Switches"

BASE—B7G

Viewed from free end of pins

VALVE HOLDER—Ediswan Clix VH337/701 and VH437/701 series

CONNECTIONS

Pin 1	Heater	h
Pin 2	No Connection	NC
Pin 3	Moving Contact	cm
Pin 4	Fixed Contact	cf
Pin 5	No Connection	NC
Pin 6	No Connection	NC
Pin 7	Heater	h