



## Technical Data Sheet

B-00341-1	28V TIME DELAY SWITCH, PULSED OUTPUT
Supply Voltage Output Load Pulsing Rate Delay Stability  Timing Periods Weight Dimensions	28V 0.3A AT 28V 2.5 pulses/second – 3.25 pulses/second With Temperature $\pm 10\%$ -55°C - +60°C With Supply Voltage $\pm 1\%$ for $\pm 15\%$ Line Voltage With Load Variation $\pm 1\%$ No Load to Max. Load A = 1.5 seconds; B = 4.0 seconds  11/2"L x 3"W x 21/2"H
PINOUT	FUNCTION
Red Black White Blue	28V Input Power Ground Output Control
OPERATION NOTES	DESCRIPTION
Note 1:  Timing Function: Note 2:  Note 3:  Note 4:  Note 5:  Note 6:	This device is intended to control a warning horn. It provides an on-off pulsed ground for the horn electrical circuit during and after an electrical ground path has been applied at the control (BLUE) terminal, as described below.  With control switch open, load circuit is normally open path through the timer to ground.  Closing the control switch will immediately close the load (horn) path to ground through the pulsing circuit.  If the control switch opens prior to the expiration of the time period 'A', the warning will immediately cease.  If the control switch is held closed during expiration of the time period 'A', the warning will continue for a time 'B' beyond the point at which the control switch opens.  This device includes an internal resistance of 1,500 ohms between RED (+28V) and BLUE (Control Switch) connections. This will result in a normal switch current of 19 mA at 28V Bus level. The purpose of the current is to eliminate false warning horn operation due to switch leakage. False warning operation is prevented for switch leakage equivalent to 1,800 ohms or more.
PART NUMBER	AIRCRAFT ELIGIBILITY
<b>B-00341-1</b> 588-083 PS 50125-2	<b>Piper</b> PA-31, PA-31-300, PA-31-325, PA-31-350, PA-42, PA-42-720, PA-42-1000

**NOTE:** Installer must cross-check eligibility with applicable technical data.

Data Sheet B-00341-1.A