# Switch Adjustable Universal Timer **DSQU/DSTU MicroTime** Timing Module

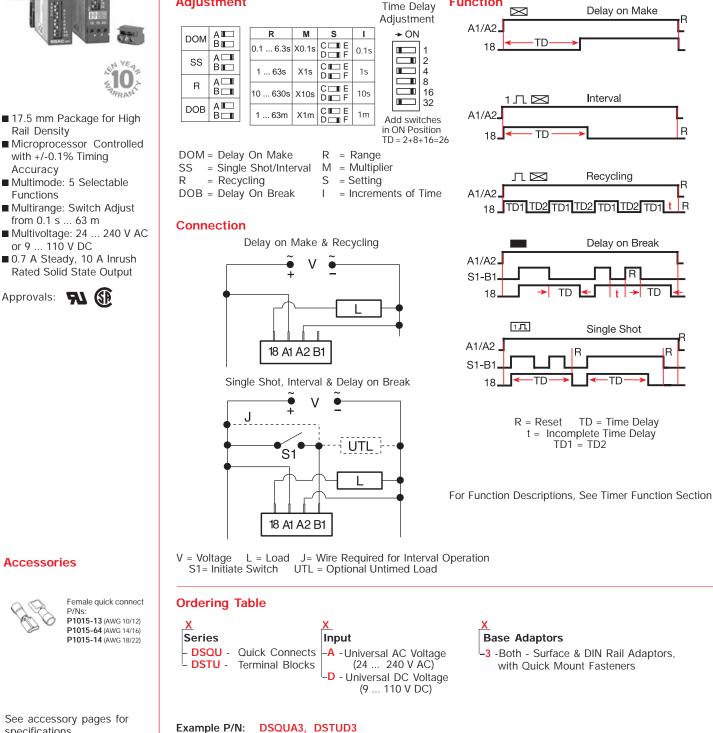
### Description

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The DSQU/DSTU Series of 17.5 mm, switch adjustable, universal solid state timers offer multiple functions, voltages, and time delay ranges. Choose one of 5 functions and 4 time delay ranges via 4 selection switches located on top of the unit. Six switches adjust the time delay through the selected range.

Function

## Adjustment



- Rail Density Microprocessor Controlled with +/-0.1% Timing
- Accuracy ■ Multimode: 5 Selectable
- Functions Multirange: Switch Adjust from 0.1 s ... 63 m
- Multivoltage: 24 ... 240 V AC or 9 ... 110 V DC
- 0.7 A Steady, 10 A Inrush Rated Solid State Output





Female quick connect P/Ns: P1015-13 (AWG 10/12)

See accessory pages for specifications.

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Low Voltage Products & Systems

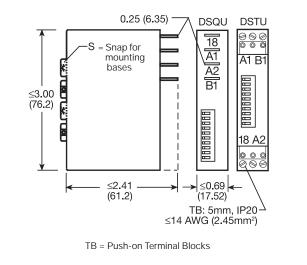
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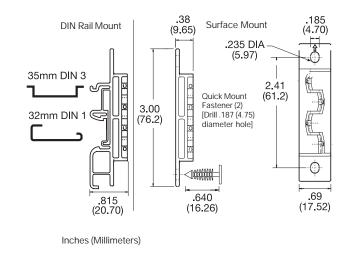
#### **Technical Data**

Time Delay Type Adjustment and Range* Repeat Accuracy Setting Accuracy Reset Time Initiate Time Time Delay vs. Temp. & Voltage	Microcontroller based with ceramic resonator and watchdog circuitry 6 switches adjust the time delay; 2 switches select 1 of 4 multipliers; x0.1s = 0.1 6.3 s in 0.1 s increments x1s = 1 63 s in 1 s increments x10s = 10 630 s in 10 s increments x1m = 1 63 m in 1 m increments +/-0.1% or +/-20 ms, whichever is greater +/-2% or +/-50 ms, whichever is greater $\leq$ 300 ms Single Shot & Delay on Break: $\leq$ 32 ms +/-2% or +/-50 ms, whichever is greater
Input Voltage AC Line Frequency	AC: 24 240 V AC; -20% +10% DC: 9 110 V DC; -0% +20% @ -25°C 9.4110 V DC; -0% +20% @ -40°C 50 60 Hz
DC Ripple Output Type Form Rating Voltage Drop	$\leq$ 10% Solid state Normally Open 0.7 A steady state, 10 A inrush AC: $\cong$ 2.5 V at 0.7 A; DC: $\cong$ 1.5 V at 0.7 A
Protection Surge Circuitry Dielectric Breakdown Polarity	IEEE C62.41-1991 Level A Encapsulated ≥ 2000 V RMS terminals to mounting surface DC units are reverse polarity protected
Mechanical Mounting DIN Rail Surface Termination DSQU DSTU	Two base adaptors are available Snap on to 32 mm DIN 1 & 35 mm DIN 3 rail Two #6 (M3.5 x 0.6) screws or quick mount fasteners 0.25 in. (6.35 mm) male quick connect terminals 0.197 in. (5 mm) push-on terminal blocks for up to #14 AWG (2.5 mm <sup>2</sup> ) wire
Environmental Operating Temperature Storage Temperature Humidity Weight	$-40^{\circ}\text{C} \dots +60^{\circ}\text{C}$ $-40^{\circ}\text{C} \dots +85^{\circ}\text{C}$ $95\% \text{ relative, non-condensing}$ $\cong 4.2 \text{ oz } (119 \text{ g})$

\*For CE approved applications, power must be removed from the unit when a switch position is changed.

#### **Mechanical View**





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