

ASQU / ASTU SERIES

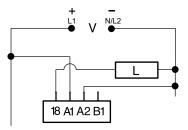




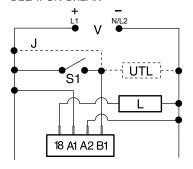


Wiring & Adjustment Diagrams

DELAY-ON-MAKE & RECYCLING



SINGLE SHOT, INTERVAL & DELAY-ON-BREAK



V = Voltage L = Load J= Wire Required for Interval Operation S1= Initiate Switch UTL = Optional Untimed Load

ADJUSTMENTS

DOM	AI□ BI□
SS	A□II BI⊡
R	A□II B□II
DOB	AI□ B□I

DOM = Delay-on-Make SS = Single Shot/Interval R = Recycling DOB = Delay-on-Break

R	М	S
0.1-10s	X1s	C III E D III F
1-100s	X10s	C □ E D I □ F
10-1000s	X100s	C III E D □ II F
1-100m	X10m	C I E

R = Range M = Multiplier S = Setting

Description

The ASQU and ASTU Series of 17.5 mm, knob 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 face of the unit. Adjustment through the time range is accomplished by an onboard knob.

The ASQU Series has quick connect terminals and the ASTU Series has terminal blocks.

Features & Benefits

FEATURES	BENEFITS	
Universal AC or DC voltage	Choose from 24 to 240VAC or 9 to 110VDC models	
Compact 17.5mm size	Allows for high rail density	
Microcontroller based	Repeat Accuracy + / -1%	
Multifunction: 5 timing functions	Reduce stocking requirements	
Knob Adjustable Time Delay	Field adjustable delay ranging from 0.1s - 100m	
0.7A steady, 10A inrush solid-state output	Provides 100 million operations in typical conditions.	
Mounting fasteners lincluded	Each unit ships with both surface and DIN rail quick mount adapters	
Watchdog circuitry	Self monitoring and self correcting for improved performance	

Accessories



P1015-13 (AWG 10/12), P1015-64 (AWG 14/16), P1015-14 (AWG 18/22) Female Quick Connect These 0.25 in. (6.35 mm) female terminals are constructed with an insulator barrel to provide strain relief.



P0500-178 Surface Mount Adapter P0500-179 DIN Rail Mount Adapter For use with the ASxx/DSxx Series timers.

Ordering Information

MODEL	INPUT VOLTAGE	CONNECTION
ASQUA3	24 to 240VAC	Quick Connects
ASQUD3	9 to 110VDC	Quick Connects
ASTUA3	24 to 240VAC	Terminal Blocks
ASTUD3	9 to 110VDC	Terminal Blocks

If you don't find the part you need, call us for a custom product 800-843-8848



ASQU / ASTU SERIES

Specifications

Time Delay

Microcontroller based with ceramic resonator Type

and watchdog circuitry

Adjustment Knob with dial; 2 switches select

1 of 4 multipliers

Range* 0.1 - 10s, 1 - 100s, 10 - 1000s, 1 - 100m **Repeat Accuracy** ±1% or ±50ms, whicheer is greater

Tolerance

(Factory Calibration) ±2% or ±50ms, whichever is greater

Reset Time

Initiate Time Single Shot & Delay-on-Break: ≤ 32ms

Time Delay vs Temp.

& Voltage ±2%, or ±50ms, whichever is greater

Input

Voltage AC: 24 to 240VAC; -20% - 10%

> DC: 9 to 110VDC; -0% - 20% @ -25°C 9.4 to 110VDC; -0% - 20% @ -40°C

AC Line Frequency/DC Ripple 50/60Hz / ≤ 10%

Output

Type Solid state Form N0

0.7A steady state, 10A inrush Rating Voltage Drop AC ≈ 2.5V @ 0.7A; DC ≈ 1.5V @ 0.7A

Protection

Surge IEEE C62.41-1991 Level A

Circuitry Encapsulated

Dielectric Breakdown ≥ 2000V RMS terminals to mounting surface **Polarity** DC units are reverse polarity protected

Mechanical

Mounting Two base adaptors are available

Snap on to 32 mm DIN 1 & 35 mm DIN 3 rail **DIN Rail** Surface

Two #6 (M3.5 x 0.6) screws or quick

mount fasteners

Dimensions H 76.2 mm (3.0"); **W** 17.52 mm (0.69");

D 61.2 mm (2.41")

Termination

ASQU 0.25 in. (6.35 mm) male quick

connect terminals

ASTU 0.197 in. (5 mm) push-on terminal blocks for

up to #14 AWG (2.5 mm2) wire

Environmental

Operating/Storage

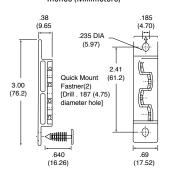
-40° to 60°C / -40° to 85°C **Temperature** Humidity 95% relative, non-condensing

Weight $\approx 4 \text{ oz} (113 \text{ q})$

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

Mounting Diagrams

P0500-178 SURFACE MOUNT Inches (Millimeters)



P0500-179 **DIN RAIL MOUNT** Inches (Millimeters)

