



ELECTRONIC TIME RELAYS

RS Stock No's:
ON-Delay
896-6810 & 896-6816
Star-Delta Starter Timer
896-6832, 896-6835 & 896-6838
Signal OFF-Delay
896-6822 & 896-6829

Terminal Details:

	1.1 Nm (10 lb.in)
$\varnothing 3.5 \dots 5.0 \text{mm}$	Terminal screw - M3.5
	2 x 0.2...2.5 mm ² solid wire
AWG	1 x 24 to 10

AWG	CURRENT (A)
10	5.00
12	4.38
14	3.75
16	3.13
18	2.50
20	1.88
22	1.25
24	0.63

NOTE: Use Cu Wire of 75 Dec. C Only..

Models :

ON-Delay 896-6810 & 896-6816
Star-Delta Starter Timer 896-6832, 896-6835 & 896-6838
Signal OFF-Delay 896-6822 & 896-6829

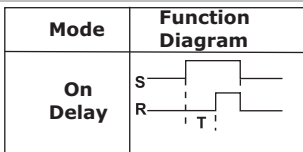
Installation :

DIN - Rail Mounting : The Timer should be mounted on 35 mm symmetrical DIN - Rail.

On Delay Timer

896-6810 & 896-6816

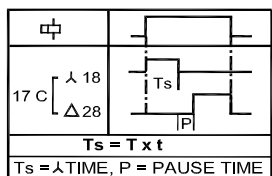
Timing Diagram:



STAR - DELTA START Timer:

RS Stock No 896-6835 & 896-6838

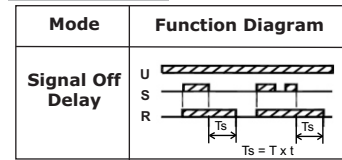
Timing Diagram:



Signal Off Delay Timer

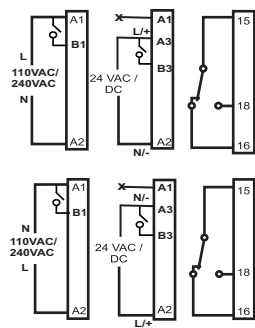
896-6822 & 896-6829

Timing Diagram :



Connection Diagrams :

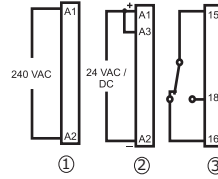
896-6822 & 896-6829



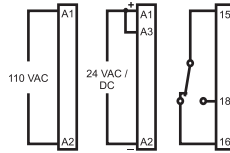
Do not apply more than 27VAC/DC to A3 terminal.

Connection Diagrams :

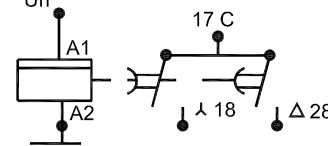
896-6810



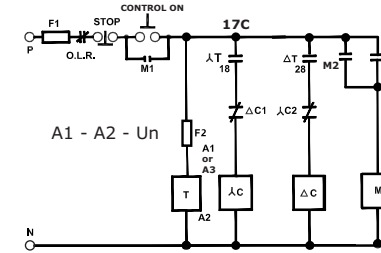
896-6816



896-6838 Un = 240VAC
896-6835 Un = 110VAC



Recommended Star - Delta Control Circuit :

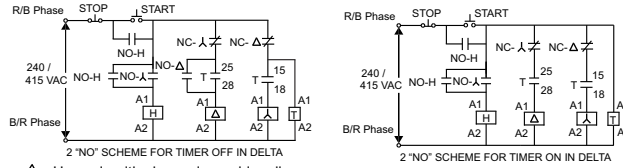


- 1) F1 - Mains Protection Fuse
- 2) F2 - Timer Protection Fuse
- 3) O.L.R - Over Load Relay
- 4) M1 - First 'NO' Contact of Main Contactor
- 5) M2 - Second 'NO' Contact of Main Contactor
- 6) M - Main Contactor for driving Motor
- 7) lambda C - Star Contactor
- 8) lambda C1 - 'NO' Contact of Star Contactor
- 9) lambda C2 - 'NC' Contact of Star Contactor
- 10) lambda Delta C - Delta Contactor
- 11) lambda Delta C1 - 'NC' Contact of Delta Contactor
- 12) lambda T - Star Contact of Timer (lambda - Delta)
- 13) lambda Delta T - Delta Contact of Timer (lambda - Delta)
- 14) T - Star Delta Timer (lambda - Delta)

Caution :

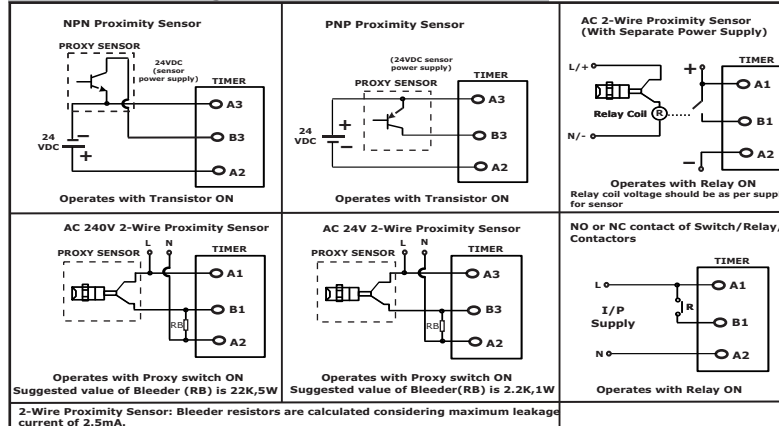
1. Always follow instructions stated in this product leaflet.
2. Before installation, check that the specifications agree with the intended application.
3. Installation to be done by skilled electrician.
4. Changing Range and Timing Presets in power ON condition when the On Delay period has already started, will have no effect. It has to be set before powering ON the timer.
5. If user wants to reset timer one way to do this is to switch off the timer & then set timing & range preset to required position. In this case, Timer will reset & will take new set time.
6. Setting of all the potentiometers should be in clockwise direction only.
7. Use 250 mA slow blow fuse (F2) in series with the above mentioned products.
8. The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. Use Cu wire of 75°C for connections.
9. The technical information provided in this document is correct at the time of going to the press. Product innovation being a continuous process, we reserve the right to make any alteration without prior notice.

CONNECTION DIAGRAM FOR 896-6832



Use only with above given wiring diagram.

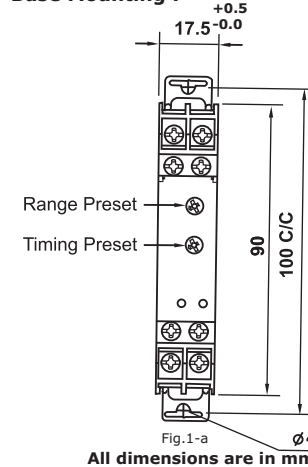
Sensor Connection Diagrams For 896-6822 & 896-6829



2-Wire Proximity Sensor: Bleeder resistors are calculated considering maximum leakage current of 2.5mA.

Overall Dimension :

Base Mounting :



All dimensions are in mm

Din Rail Mounting :

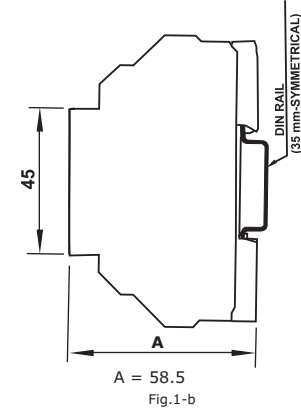


Fig.1-b