



Powering Innovation



PROTECTION + AUTOMATION + CONTROL

TIME DELAY RELAY

JRT 925

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FEATURES

- ◆ Wide Setting range
- ◆ Bright 7-Segment LED display
- ◆ Wide auxiliary supply
- ◆ Hand / Self reset type selection

APPLICATION

Digital time delay relay is used to provide delay in a circuit



PRINCIPLE OF OPERATION

The relay can be configured as Hand reset or Self reset. Self reset mode can be configured as two types. One which does not depends on timer initiator state and one which depends on timer initiator state. The hand reset and self reset time is programmable.

The mode of operation, time delay and self reset time setting is done through tactile switches provided on front and these values will be stored in non-volatile memory.

If mode of operation is selected as hand reset, time delay is initiated by closing "Timer Initiate" terminals. When delay time reaches to zero the output relay operates. Until reset key is pressed the output contacts will not release.

If mode of operation is selected as **self reset time which does not depends on timer initiator state**, time delay is initiated by closing "Timer Initiate" terminals. When delay time reaches to zero the output relay operates which initiates self reset timer. When self reset timer reaches to zero the output relay will release.

If mode of operation is selected as self reset time which depends on timer initiator state then time delay is initiated by closing "Timer Initiate" terminals. When delay time reaches to zero the output relay operates. Self reset timer is initiated by opening "Timer Initiate" terminals. When self reset time reaches to zero the output relay releases.

In setting mode fast blinking of display indicates mode of operation, slow blinking of display indicates time delay setting and too slow blinking of display indicates self reset time setting. After setting changes press reset button to accept new values.

TECHNICAL DATA

RATINGS

Aux. Supply : 20 to 60V DC or
80V to 260V AC / DC

SETTINGS

JRT 925-1

Time delay setting : 0010ms to 9990ms in steps of 10ms
Reset time setting : 0010ms to 9990ms in steps of 10ms

JRT 925-2

Time delay setting : 0001s to 9999s in steps of 1s
Reset time setting : 0001s to 9999s in steps of 1s

Mode of operation : 0100 - Hand reset
on timer initiator state
0300 - Self reset time
depends on timer initiator state

BURDEN

Auxiliary supply : Less than 4W (Non Operated)
: Less than 5W (Operated)

ACCURACY

Operating time : JRT 925 - 1 $\pm 0.5\%$ or $\pm 20\text{ms}$ for 10ms to
9990ms in steps of 10ms
JRT 925 - 2 $\pm 0.5\%$ or $\pm 2\text{s}$ for 1s to 9999s
in steps of 1s

CONTACT RATINGS

Output Contacts : 5A at 24V DC / 230V AC

CONTACTS DURABILITY

Unloaded contact : 100,000 Operations
Loaded contact : 100,000 Operations

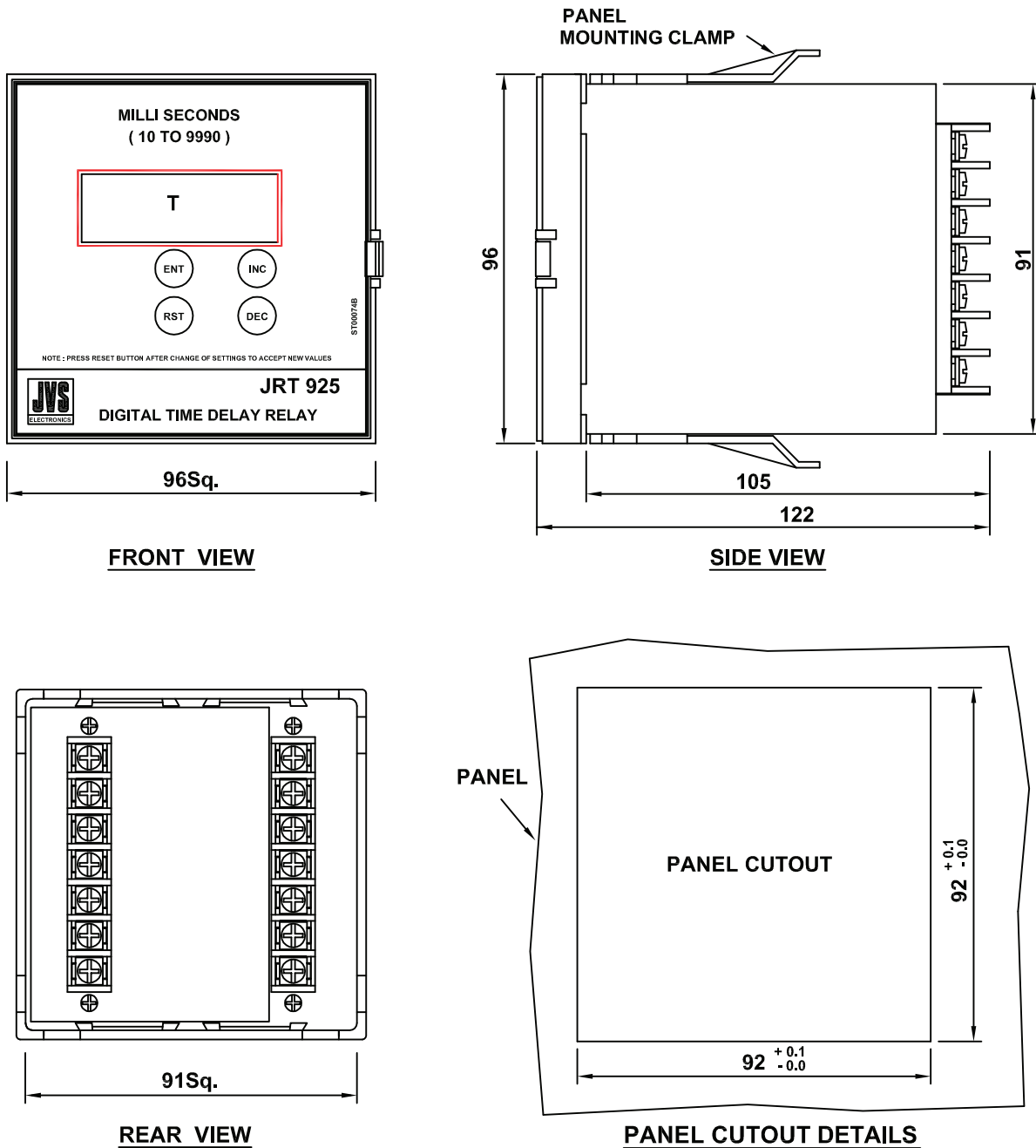
MECHANICAL DESIGN

Weight : Appx. 500 gms
Case size : 96 mm sq. Depth 105mm
Installation : Flush mounting
Panel cutout : 92x92mm

STANDARD COMPLIANCE

Functional test : IEC 61812-1
Rated Burden test : IEC 61812-1
Insulation test : IEC 61812-1

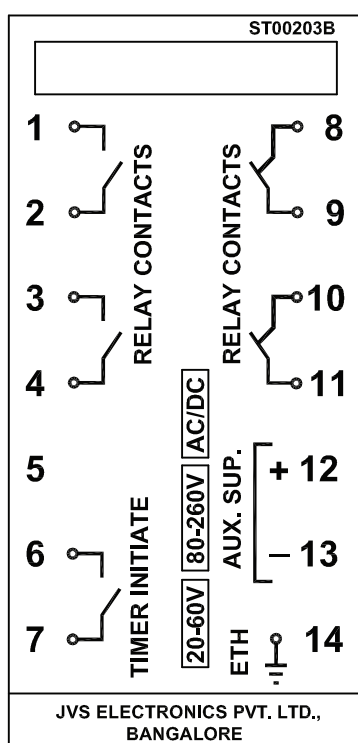
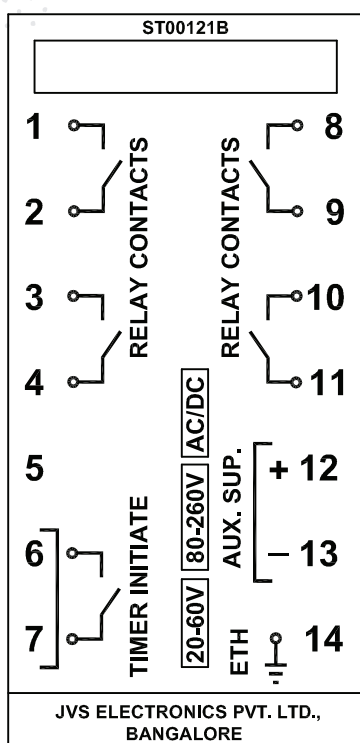
96 Sq. mm CASE DETAILS



(ALL DIMENSIONS ARE IN mm)

OVERALL AND PANEL CUTOUT DIMENSIONS OF 96sq mm RELAYS

TERMINAL DIAGRAM



ORDERING INFORMATION

- Relay type : JRT 925 - 1 (with 2NO)
 JRT 925 - 2 (with 2NO)
 JRT 925 - 1 (with 2NO and 2NC)
 JRT 925 - 2 (with 2NO and 2NC)
 JRT 925 - 1 (with 4NO)
 JRT 925 - 2 (with 4NO)
- Aux. Supply : 20 to 60V DC
 80 to 260V AC / DC