MULTISPAN

TIME CONTROL SWITCH TCS 35

TECHNICAL SPECIFICATION

SPECIFICATION :

Voltage	230 AC ± 10%
Frequency	50 Hz to 60 Hz

DISPLAY AND KEY :

Display	Text LCD (Without Backlight)
Keys	PRG, SHIFT, UP, DOWN, ENT, ESC, RST

GENERAL SPECIFICATION :

Dimension (mm)	90 (H) x 35 (W) x 62 (D) mm
Weekly Program	For Relay 1 Total 50 On Steps And 50 Off Steps
Holiday Setting	24 Date Maximum
Clock	12 Hr (AM / PM) And 24 Hr Selection

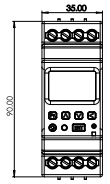
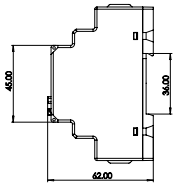
OUTPUT SPECIFICATION :

Relay	1 nos.
Relay Type	1 C/O (NO-C-NC)
Rating	10A, 230V AC Resistive Load 24V DC

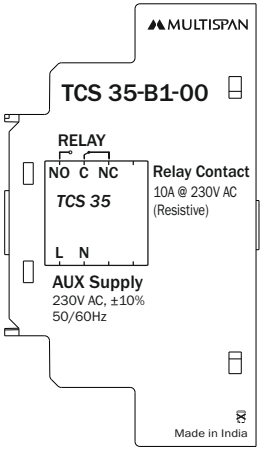
ENVIRONMENT CONDITION :

Operating Temp.	0°C to 55°C
Relative Humidity	UP to 95% RH (non-condensing)

MECHANICAL INSTALLATION

Front View(mm)	Side View(mm)
	

TERMINAL CONNECTION

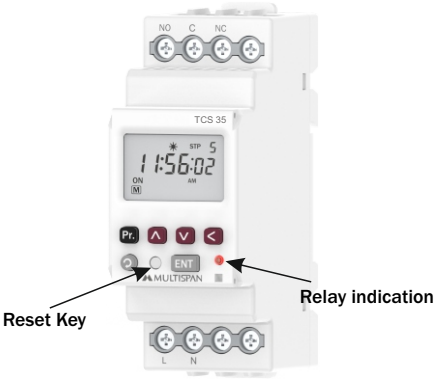


KEY OPERATION

FUNCTION	DESCRIPTION
Adjusting Clock	Allows current date & time settings through day, hrs(24-hr indication and 12-hr indication), minutes, seconds setting
Weekly Time Operation	Controls the output according to the set time of ON and OFF for specified days of the week
Holiday setting	Sets holidays without having to revise the existing program. Can be set 0 to 24 dates max.
Permanent Override ON / Permanent Override OFF	Allow the output to be forcibly turned ON / OFF regardless of the control output setting.
Programmable No of steps	Allows to modify No of steps Maximum Value = 50
Enable / Disable program	Allows to enable / disable particular program

KEY OPERATION

FUNCTION	PRESS KEY
OPERATOR MODE	
Program parameter setting & Day Enable / Disable	PRG
To Change Value	∧ OR ∨ OR <
Parameter setting to exit	↩
To Enter in parameter setting	ENT
PARAMETER SETTING MODE	
All Alarm factory reset	RST
To increase value in parameter setting	∧
To decrease value in parameter setting	∨



MECHANICAL INSTALLATION

1) To install the instrument on a DIN rail, raise the clamp at the back of the instrument and place it on the rail. Now release the clamp, so the instrument fits on the DIN rail.
2) Ensure proper fitting of the instrument by pulling it outwards.
3) To remove the instrument raise the clamp to release it from the DIN rail.
4) The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oil steam, or other unwanted process byproducts.
5) Do not connect anything to unused terminals.

MAINTENANCE

1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
3) Fusible resistor must not be replaced by operator.

INSTALLATION GUIDELINES

1) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
2) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
3) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

OR

⚠ SAFETY PRECAUTION

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.

Read complete instructions prior to installation and operation of the unit.

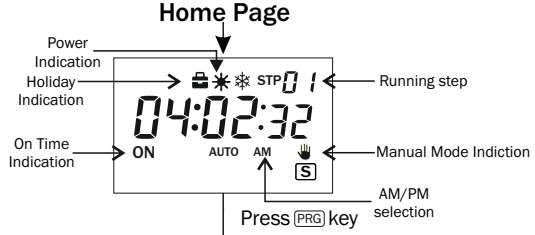
WARNING : Risk of electric shock.

WARNING GUIDELINES

⚠ WARNING : Risk of electric shock.

1) To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
3. Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

Home Page



Press PRG key

Press PRG key

PASS 00 — Press ENTER "10" Password

Press ENT key

dATE St — **Date Setting**

Press ENT key

04:08:24 dt — Months / Years / Day (ST) / Date

Press ◁ & △ & ▽ Key for change value

Press ENT key

t InE St — **Time Setting**

Press ENT key

CLoP 12 — **Clock Setting** 12 & 24 Hours

Press ENT key

12:02:33 tn PM

Press ◁ & △ & ▽ Key for change value

Press by ENT / ↺ key Save & Exit

Press PRG key

PASS 00 — Press ENTER "15" Password

Press ENT key

StP 01 — **Alarm Step Selection Range : 1 To 50 Maximum**

Press ◁ & △ & ▽ Key for change value

Press ENT key

AL n En STP 01 — **Alarm : Enable / Disable**

Press △ & ▽ Key for change value

Press by ↺ key Save & Exit

Press PRG key

PASS 00 — Press ENTER "20" Password

Press ENT key

AL rnSt — **Alarm Setting** 1 To 50 Step Alarm Maximum

Press ENT key

Day
1 - M
2 - T
3 - W
4 - TH
5 - FR
6 - ST
7 - SU

Day Change Key △ & ▽

Day On / Off Key PRG Press

09:00:00 STP 01 — ON TIME

ON AM

M T W TH F ST S

Press ◁ & △ & ▽ Key for change value

Press ENT key

01:00:00 STP 01 — OFF TIME

OFF PM

M T W TH F ST S

Press ◁ & △ & ▽ Key for change value

Press by ↺ key Save & Exit

Press PRG key

PASS 00 — Press ENTER "25" Password

Press ENT key

hoLI dY — **Holiday Setting**

Press ENT key

01:01:24 01

Press ◁ & △ & ▽ Key for change value

Press ENT key

02:02:24 02

Press ◁ & △ & ▽ Key for change value

Press ENT key

03:03:24 03

Press ◁ & △ & ▽ Key for change value

Press by ↺ key Save & Exit

Press PRG key

Press ENTER "30" Password

PASS 00

Press ENT key

Press △ & ▽ & PRG Key for change value

nAnUAL

Manual relay ON

ON OFF AUTO

Auto Alarm

Manual relay OFF

Press by ENT / ↺ key Save & Exit