OPERATING MANUAL

SQT-1044 SEQ. TIMER: 8 CHANNEL
SQT-1022 SEQ.TIMER: 4 CHANNEL
SQT-1244 SEQ. TIMER 12 CHANNEL

MULTISPAN

Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape



Technical Specification

Model	SQT-1044
Display	UPPER:- 4 Digit 7 seg 0.56",red LED Display LOWER:- 4 Digit 7 seg 0.4",green LED Display
Size (mm)	96 (H) X 96 (W) X 50 (D) mm
Panel Cutout	92 X 92 mm
Range	1) 99.99 Sec 2) 999.9 Sec 3) 99.59 Min 4) 99.59 Hrs 5) 999.9 Hrs
Input	Micro switch, Trigger, Power ON
Output	8 Relay + 1 Cascade
Relay status	LED Indicator: 1) Relay Status 2) Time unit
Timer Mode	1) Delayed On 3) Cycle Timer 2) Delayed Off
Power Supply	100 to 270V AC,50/60 Hz, Approx 5VA
Protection Level	IP-65 (Front side) As per IS/IEC 60529 : 2001
Operating Temperature	0° C To 55° C
Relative Humidity	Up to 95% RH Non Condensing

Note:

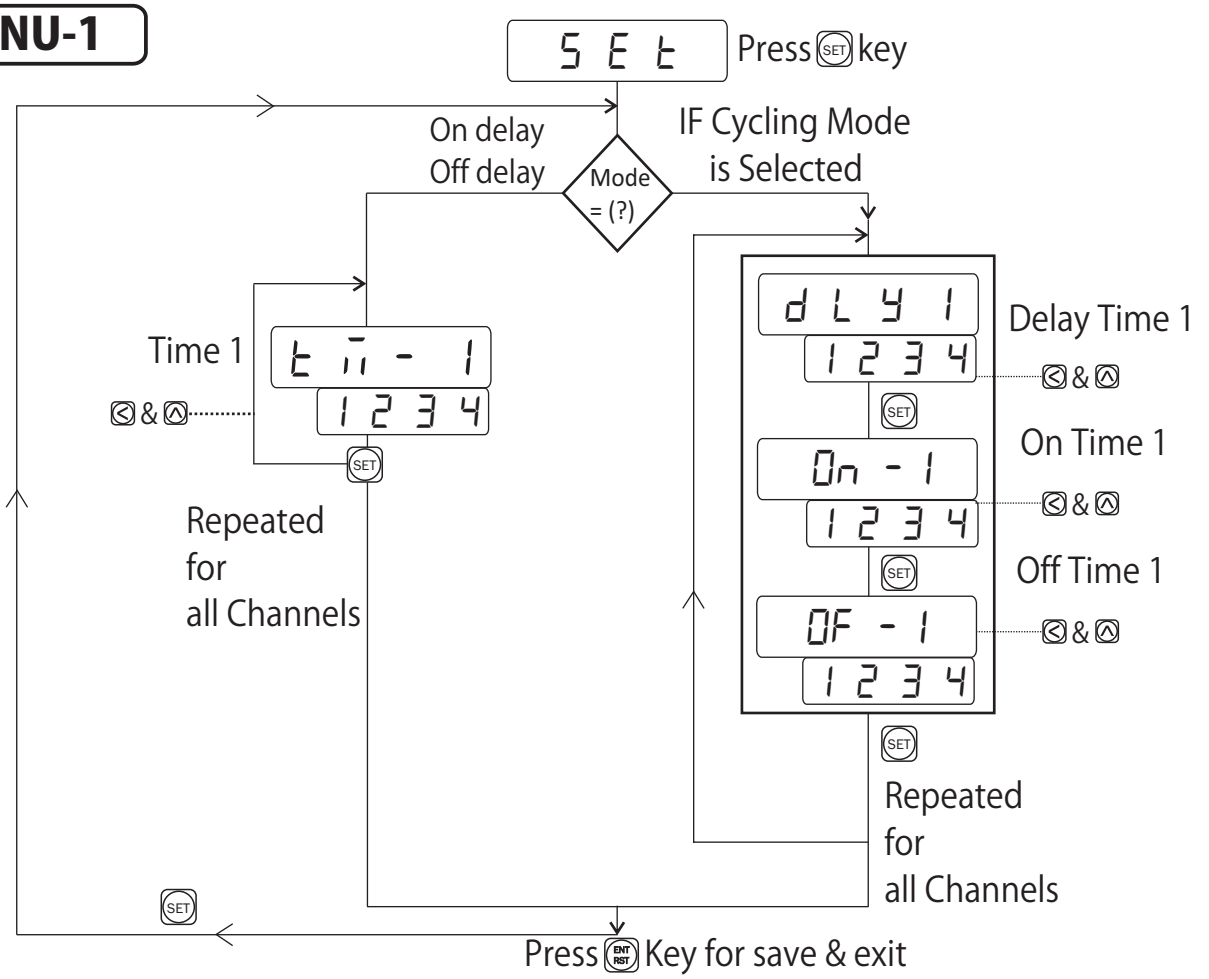
* To make parameter setting easy, menu is devided in three groups.

1) Menu 1: is used to set the parameters which are needed to change Frequently, like delay time, On time & OFF Time
2) Menu 2: is used to set the parameters like password,mode, range & No. Of cycles.
3) Menu 3: is used to set the parameters Which Needed to change in rare Case like No of channel, No of cycle, individual & Common mode, Type of input & memory retention.

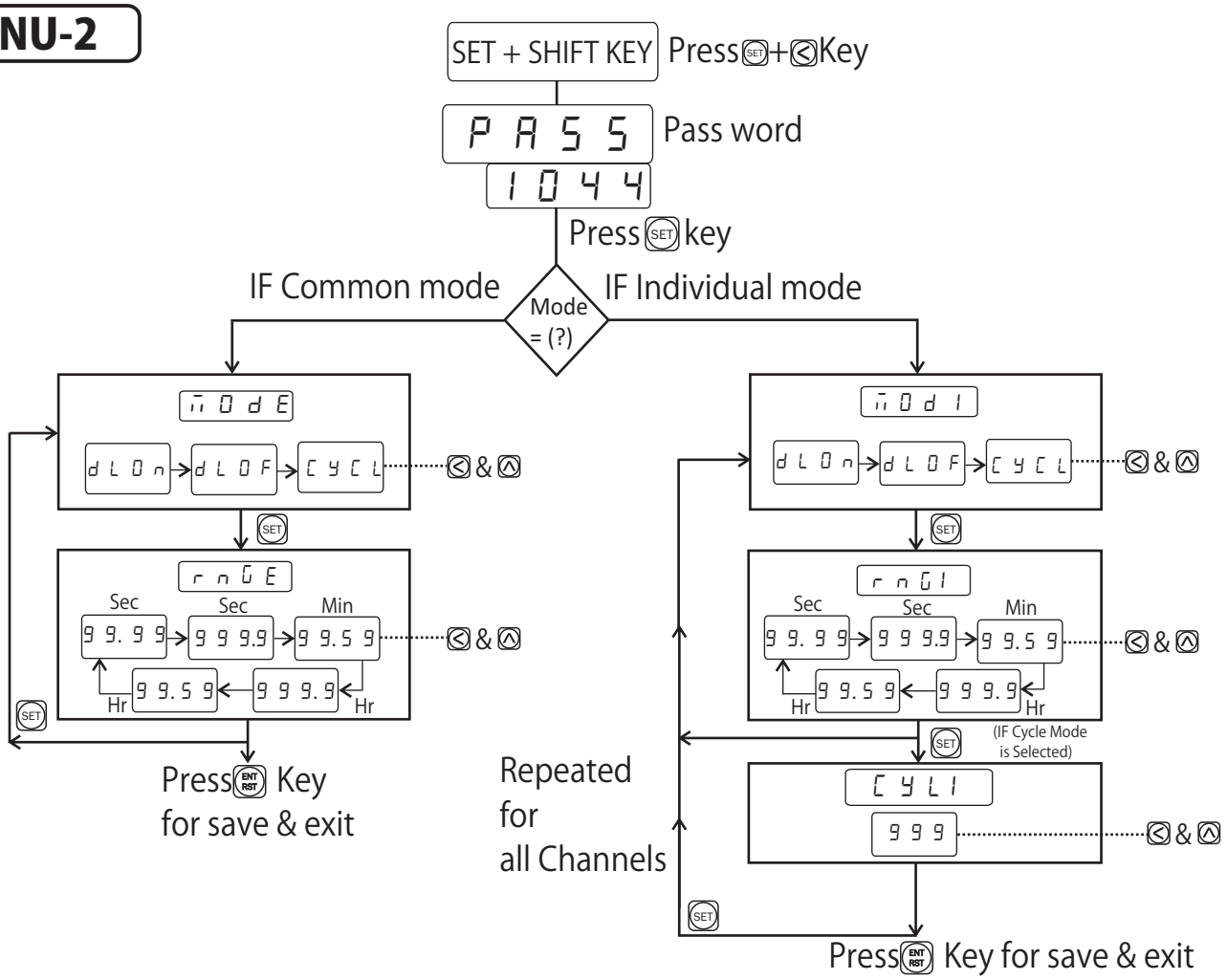
Working:

1) First enter in menu-3 (Press ⟨ Key) Then Power On.
2) Configure The instrument As per Your Application
3) Press SET + ⟨ Key & Follow Menu-2 as per the Application.
4) Press SET Key in Menu-1
5) At Any time press ENT RST key to save and exit.
6) To Change Any parameter ⟨ & ∧ Key.
7) To go to next parameter, Press SET Key.
8) If No key is Pressed, Menu will Automatically exit after 15 SEC. without saving.

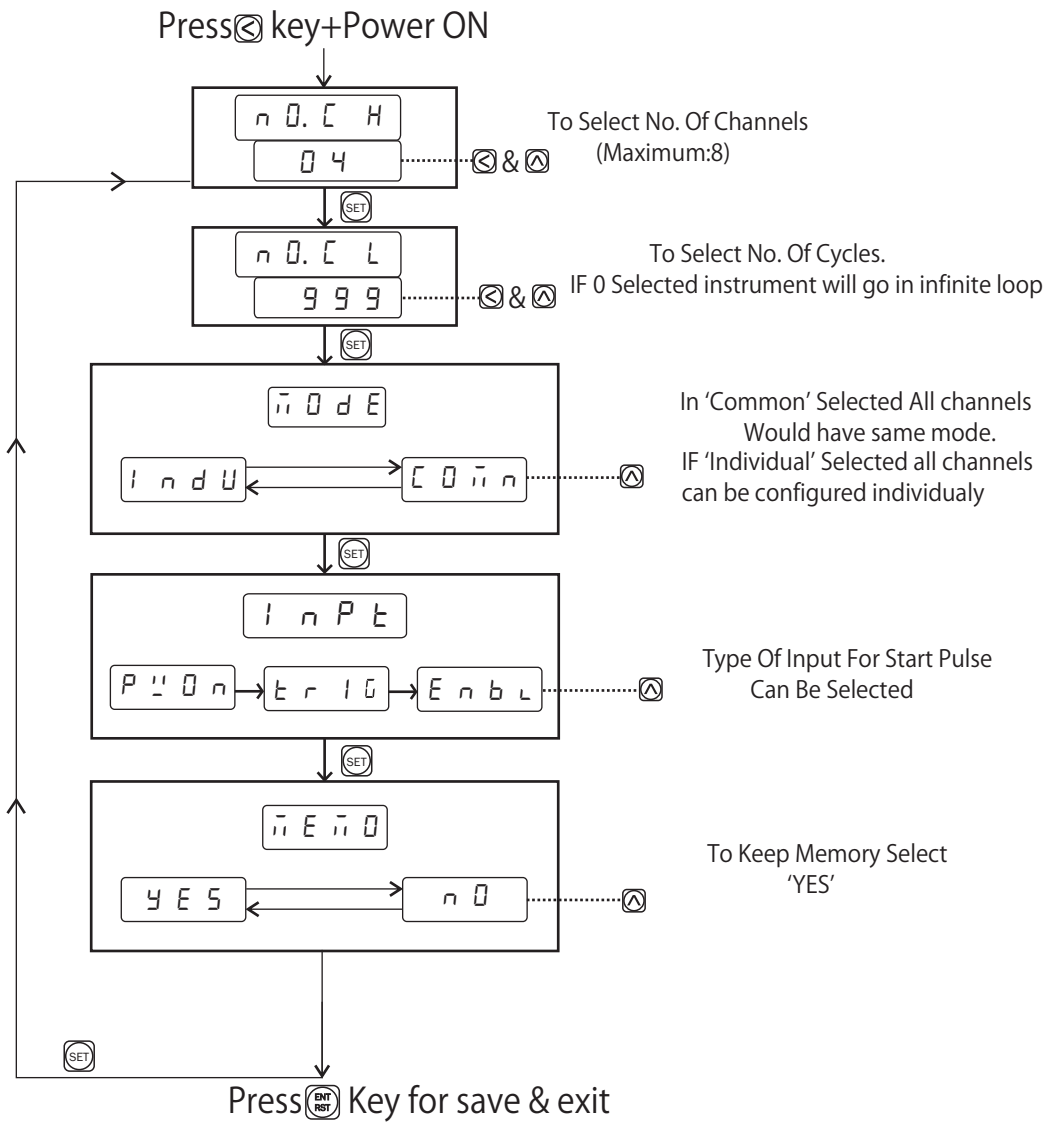
MENU-1


SET
Press SET key
On delay
Off delay
Mode = (?)
IF Cycling Mode is Selected
Time 1
&
SET
Repeated for all Channels
Delay Time 1
On Time 1
Off Time 1
Repeated for all Channels
SET
Press ENT RST Key for save & exit

MENU-2


SET + SHIFT KEY
Press SET + Key
PASS
Pass word
1044
Press SET key
IF Common mode
IF Individual mode
Mode = (?)
MODE
dLOn
dLOF
CYCL
rnGE
Sec
Sec
Min
Hr
Hr
Press ENT RST Key for save & exit
MOd1
rnG1
(IF Cycle Mode is Selected)
CYL1
999
Repeated for all Channels
Press ENT RST Key for save & exit

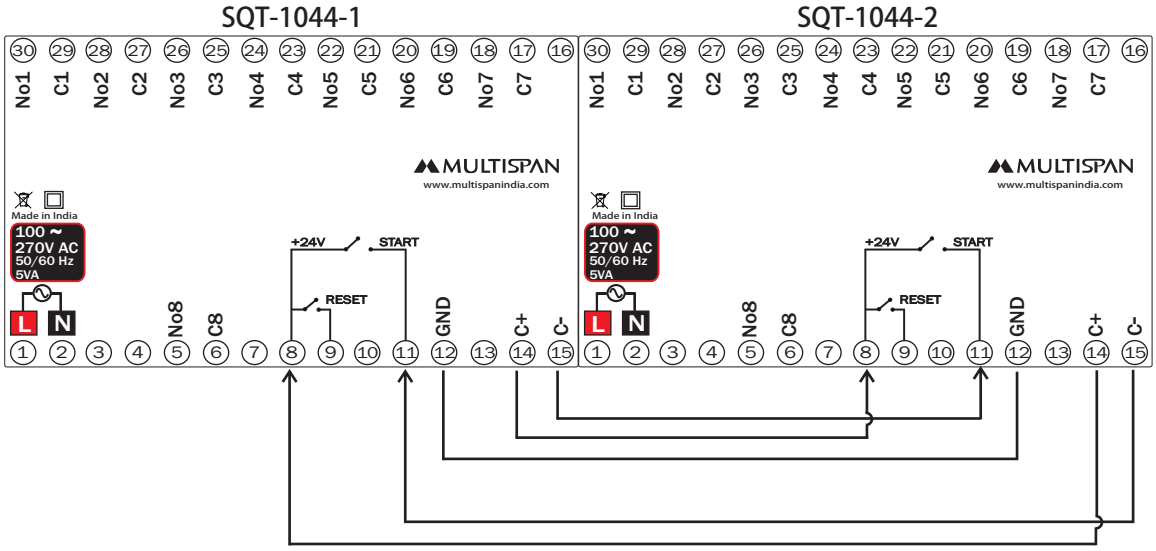
MENU-3



Note: Cascading the instruments

1) If more than 8 Channels needed than we can extend the channels by cascading the second instrument.
2) Configure the 2nd instrument's input as Trigger pulse. & Connect it to the cascade output of first instrument.
3) The first Channels of 2nd instrument will now work as 9th channel & So On.
4) This combination of 2 instruments will work as 16 channel timer.
5) Similarly We can connect more instrument as per our Requirement.

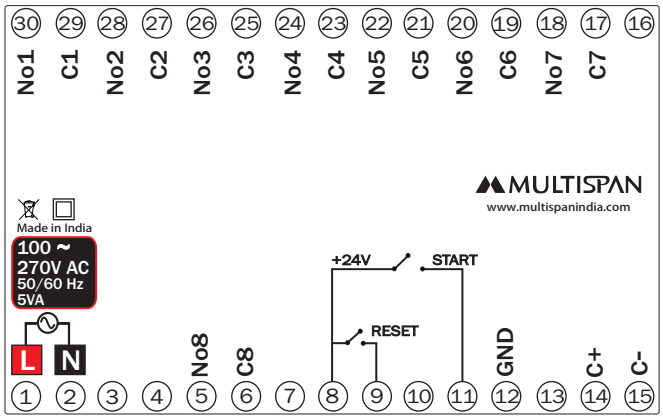
For Cascading



Display Massage And Their Meaning

SR.	DISPLAY	DESCRIPTION
1	PASS	Password
2	CYCL	Cycle
3	dLOn	Delayed On
4	dLOF	Delayed Off
5	rnGE	Range
6	mOd 1	Mode 1
7	rnG 1	Range 1
8	CYL 1	Cycle 1
9	tIm 1	Time 1
10	dLY 1	Delay Time 1
11	On - 1	On Time 1
12	OF - 1	Off Time 1
13	n O.CH	No. Of Channels
14	n O.CL	No. Of Cycles
15	mOdE	Mode
16	COmn	Common
17	Indu	Individual
18	InPt	Input
19	PUOn	Power On
20	trIG	Trigger
21	EnbL	Enable
22	mEmO	Memory
23	YES	Yes
24	nO	No

Connection Diagram



Test Certificate

Product : UNI.SEQUANTIAL TIMER
Model No.: SQT-1044
Input: Microswitch,Trigger,Power On
Range : Universal Range
Output: 8R1C/O + Cascade
Control Action: Start Pulse selectable, Reset at back
Supply: 100 to 270V AC,50/60Hz,Approx 5VA
Accuracy: 1% of FSD
Accuracy : ± 1 % Of FSD
Calibrator Used : Time Totalizer
Calibrator Sr. No. : Time Cal-2

MULTISPAN CONTROL INSTRUMENTS PVT. LTD. AHMEDABAD MULTISPAN

Q.A. Engineer

WARRANTY

Multispan Warrants that the product supplied here under this Test Certificate is guranteed against our design, our manufacturing and our workmanship defects for a time period of 12 Months from the date of product dispatch from our permises. Multispan undertakes the responsibility to replace/repair the faulty product at our company premises free of cost. The manufacturing liability is limited to the value of goods supplied. Hereby, the manufacturer will take no responsibilities for whatsoever any consequential damages claimed by the customer whatsoever. This warranty certificate is required to be produced for obtaining any repair or replacement service from the Manufacturer. The Manufacturer reserve right to determine the reason for Defect/Damage, before providing service.

Product improvement and upgrade is a constant procedure.So for more updated operating information and Support, please contact us

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MULTISPAN

Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape

Technical Specification



Model	SQT-1022
Display	UPPER:- 4 Digit 7 seg 0.56",red LED Display LOWER:- 4 Digit 7 seg 0.4",green LED Display
Size (mm)	96 (H) X 96 (W) X 54 (D) mm
Panel Cutout	92 X 92 mm
Range	1) 99.99 Sec 2) 999.9 Sec 3) 99.59 Min 4) 99.59 Hrs 5) 999.9 Hrs
Input	Micro switch, Trigger, Power on
Output	4 Relay
Relay status	LED Indicator: 1) Relay Status 2) Time unit
Timer Mode	1) Delayed On 3) Cycle Timer 2) Delayed Off
Power Supply	100 to 270V AC,50/60 Hz Approx 3VA
Protection Level	IP-65 (Front side) As per IS/IEC 60529 : 2001
Operating Temperature	0° C To 55° C
Relative Humidity	Up to 95% RH Non Condensing

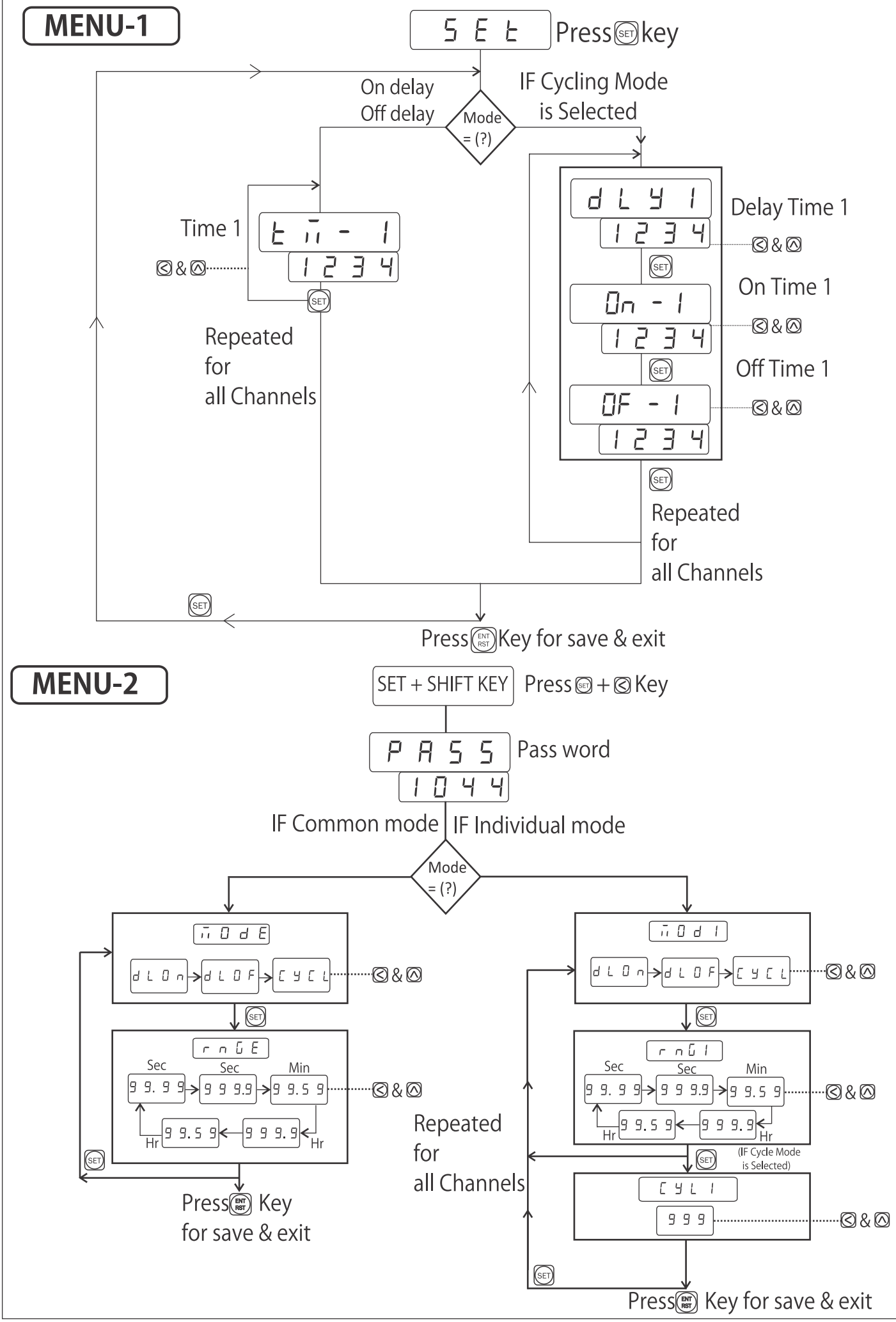
Note:

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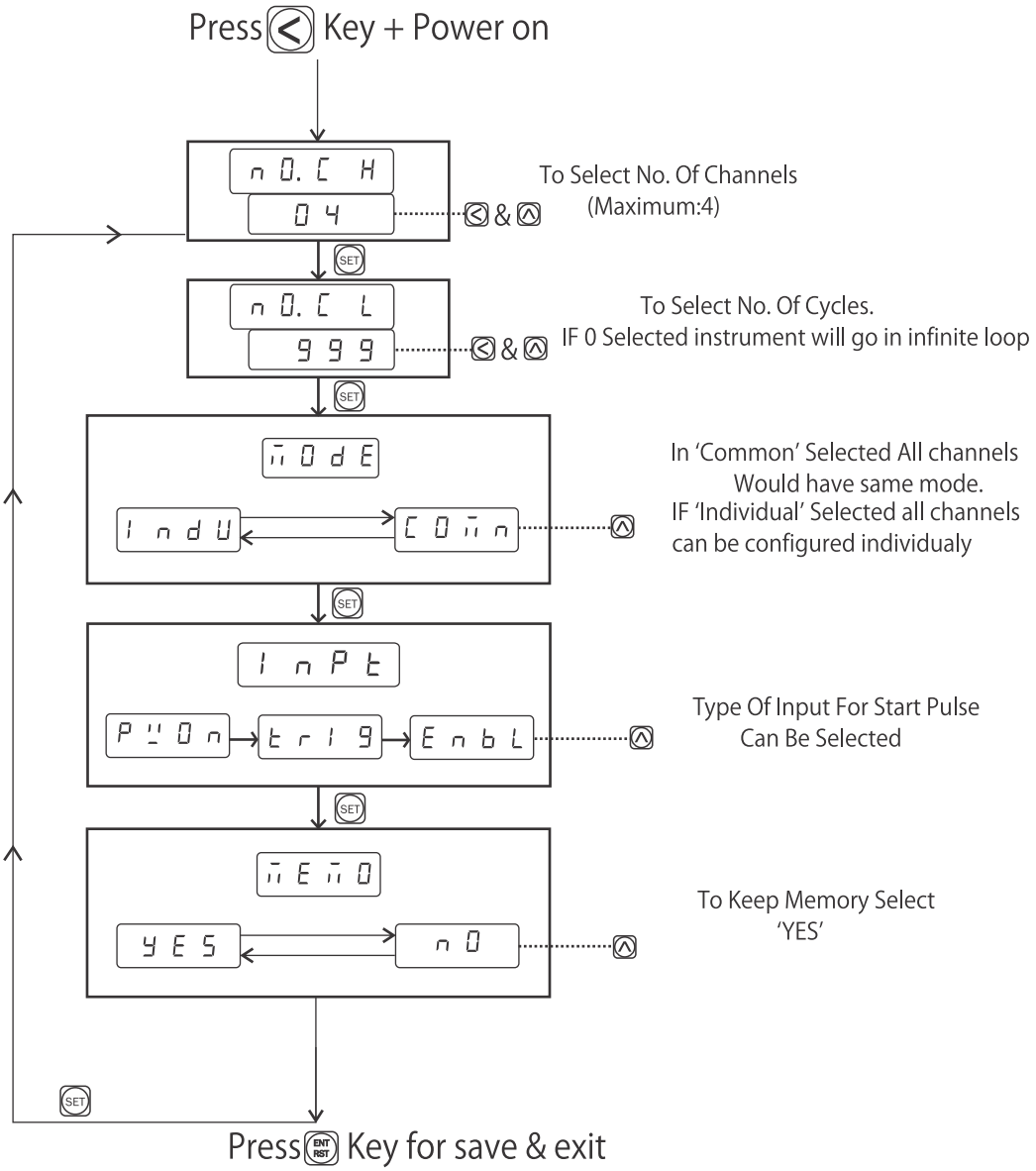
1) Menu 1: is used to set the parameters which are needed to change Frequently, like delay time, On time & OFF Time
2) Menu 2: is used to set the parameters like password,mode, range & No. Of cycles.
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Working:

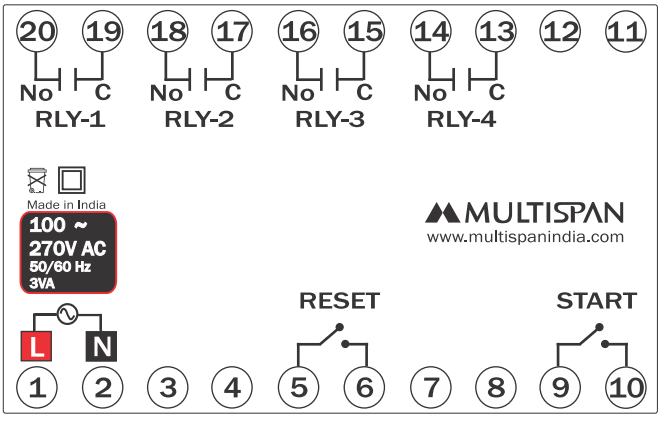
1) First enter in menu-3 (Press ⩤ Key) Then Power On.
2) Configure The instrument As per Your Application
3) Press SET + ⩤ Key & Follow Menu-2 as per the Application.
4) Press SET Key in Menu-1
5) At Any time press ENT RST key to save and exit.
6) To Change Any parameter ⩤ & ⩓ Key.
7) To go to next parameter, Press SET Key.
8) If No key is Pressed, Menu will Automatically exit after 15 SEC. without saving.


MENU-1
SET
Press SET key
On delay
Off delay
Mode = (?)
IF Cycling Mode is Selected
Time 1
Repeated for all Channels
Delay Time 1
On Time 1
Off Time 1
Repeated for all Channels
Press ENT RST Key for save & exit
MENU-2
SET + SHIFT KEY
Press SET + Key
PASS
Pass word
1044
IF Common mode
IF Individual mode
Mode = (?)
Sec
Sec
Min
Hr
Hr
Repeated for all Channels
(IF Cycle Mode is Selected)
Press ENT RST Key for save & exit

MENU-3



Connection Diagram :



Test Certificate

Product : UNI.SEQUANTIAL TIMER
Model No.: SQT-1022
Input: Microswitch,Trigger,Power On
Range : Universal Range
Output: 4R1C/O
Control Action: Start Pulse selectable, Reset at back
Supply: 100 to 270V AC,50/60Hz Approx 3VA
Accuracy: 1% of FSD
Accuracy : ± 1 % Of FSD
Calibrator Used : Time Totalizer
Calibrator Sr. No. : Time Cal-2

MULTISPAN CONTROL INSTRUMENTS PVT. LTD. AHMEDABAD

Q.A. Engineer

WARRANTY

Multispan Warrants that the product supplied here under this Test Certificate is guranteed against our design, our manufacturing and our workmanship defects for a time period of 12 Months from the date of product dispatch from our permises. Multispan undertakes the responsibility to replace/repair the faulty product at our company premises free of cost. The manufacturing liability is limited to the value of goods supplied. Hereby, the manufacturer will take no responsibilities for whatsoever any consequential damages claimed by the customer whatsoever. This warranty certificate is required to be produced for obtaining any repair or replacement service from the Manufacturer. The Manufacturer reserve right to determine the reason for Defect/Damage, before providing service.

Product improvement and upgrade is a constant procedure. So for more updated operating information and Support, Please contact us. Ver: 2102

MULTISPAN

Sequential Timer : 12 Channel
SQT-1244

Johannesburg Branch
MIMIC COMPONENTS
Cape Town Branch
Mimic Cape



Display Color:
Upper : RED
Lower: Green

TECHNICAL SPECIFICATION

INPUT SPECIFICATION:

Input (Start Pulse)	Trigger
	Enable
	Power ON

DISPLAY AND KEYS:

Display	Upper: 4 digit, 7 segment, 0.56” Lower: 4 digit, 7 segment, 0.40”
Keys	SET, SHIFT, INC, ENT/RST

DIMENSION:

Size	96 (H) x 96 (W) x 54 (D) mm
Panel Cutout	92 (H) x 92 (W) mm

Range:

Range	99.99 Sec
	999.9 Sec
	99.59 Min
	99.59 Hrs
	999.9 Hrs

Timer Mode:

Timer Mode	Delayed ON
	Delayed OFF
	Cycle Timer

OUTPUT SPECIFICATION:

Relay Output	
Relay	12 Relay
LED Indication	1) Relay Status 2) Time Unit
Rating	5A, 230V AC

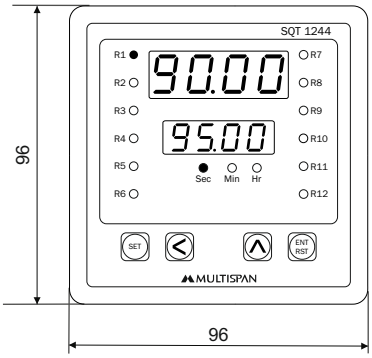
AUXILIARY SUPPLY:

Supply voltage	100 to 270V AC, 50-60Hz
Power consumption (VA RATING)	Approx 5 VA @ 230V AC MAX

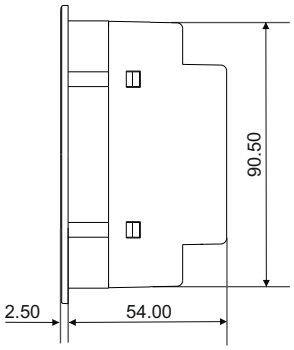
ENVIRONMENT CONDITION:

Operating Temp.	0 °C to 55 °C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (AS Per Request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

MECHANICAL INSTALLATION

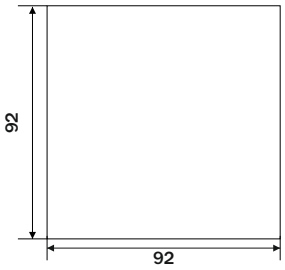


FRONT VIEW
All dimensions are in mm

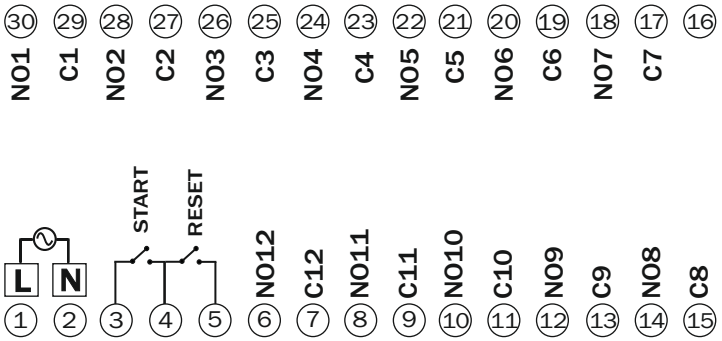


RIGHT SIDE VIEW

Panel Cutout



TERMINAL CONNECTION



KEY OPERATION

FUNCTION	PRESS KEY
OPERATOR MODE	
To enter in parameter setting mode	SET
To reset the timer	ENT RST
PARAMETER SETTING MODE	
Edited parameter value to be set, And move to the next parameter	SET
It will select the digit to modify, When value is edited	<
It will change the Value of selected digit	^
Set parameter to save & exit	ENT RST

Display Message & Their Meaning

SR.	DISPLAY	DESCRIPTION
1	PASS	Password
2	CYCL	Cycle
3	dLOn	Delayed On
4	dLOF	Delayed Off
5	rnGE	Range
6	Mod 1	Mode 1
7	rnG 1	Range 1
8	CYL 1	Cycle 1
9	tI M 1	Time 1
10	dLY 1	Delay Time 1
11	On - 1	On Time 1
12	OF - 1	Off Time 1
13	n0.CH	No. Of Channels
14	n0.CL	No. Of Cycles
15	MOdE	Mode
16	COMn	Common
17	IndU	Individual
18	InPt	Input
19	PUOn	Power On
20	trIG	Trigger
21	EnbL	Enable
22	MEM0	Memory
23	YES	Yes
24	n0	No

Test Certificate

Product : UNI.SEQUANTIAL TIMER
Model No.: SQT-1244
Input: Enable, Trigger, Power ON
Range : Universal Range
Output : 12R1C/O
Control Action : Start Pulse Selectable, Reset at Back
Supply : 100 to 270V AC,50/60Hz,Approx 5VA
Accuracy : ± 1 % Of FSD
Calibrator Used : Time Totalizer
Calibrator Sr. No. : Time CAL-2

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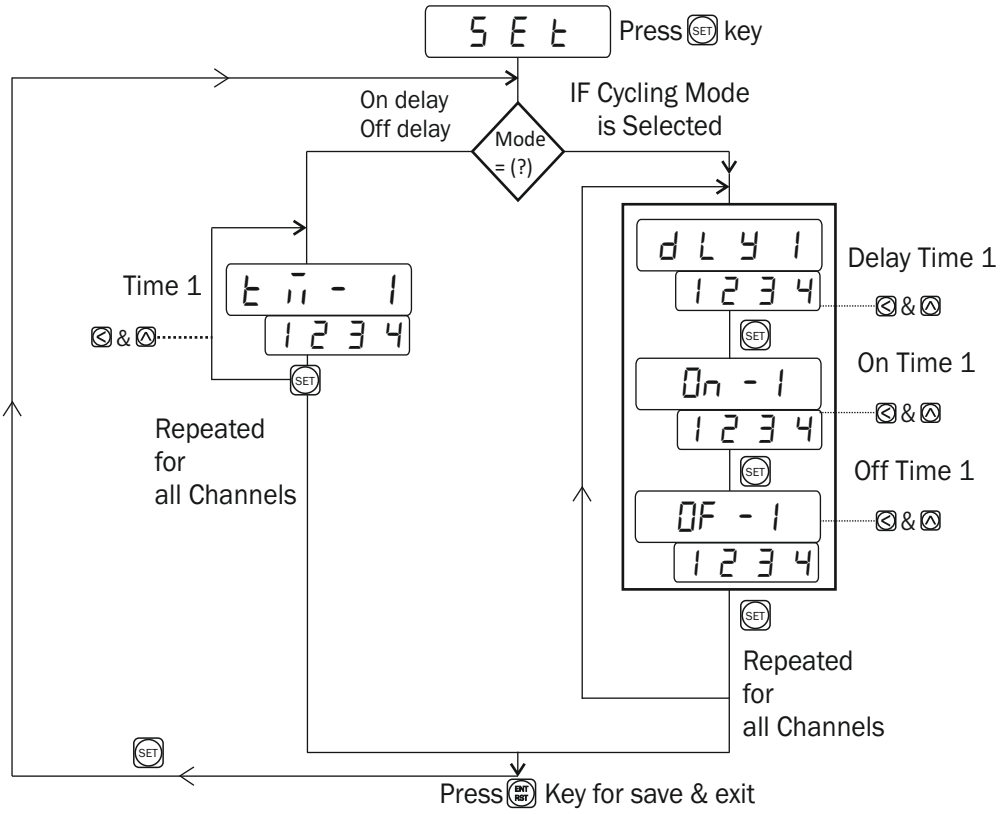
Q.A. Engineer

WARRANTY

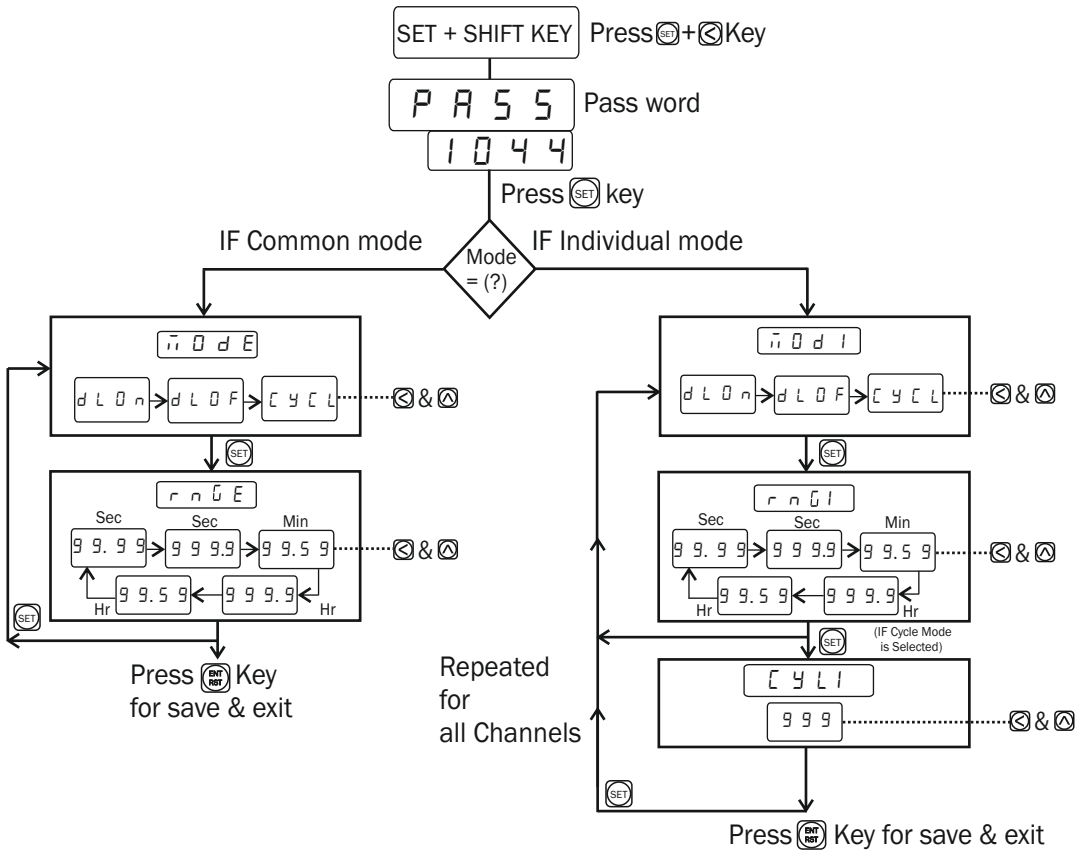
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PARAMETER SETTING

Menu-1

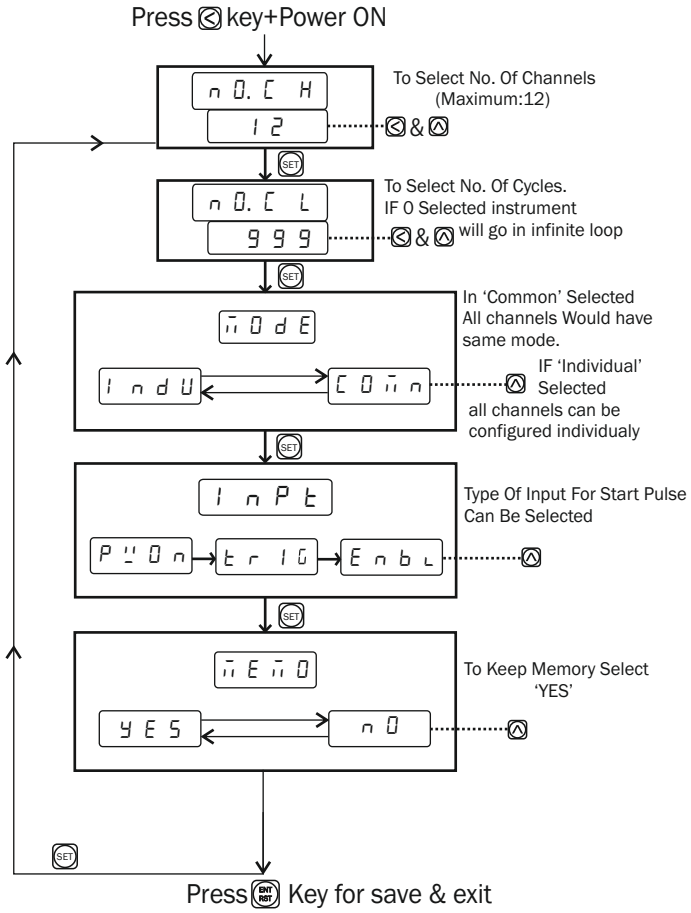


Menu-2



PARAMETER SETTING

Menu-3



Note

* To make parameter setting easy, menu is devided in three groups.

1) Menu 1: is used to set the parameters which are needed to change Frequently, like delay time, On time & OFF Time
2) Menu 2: is used to set the parameters like password, mode, range & No. Of cycles.
3) Menu 3: is used to set the parameters Which Needed to change in rare Case like No of channel, No of cycle, individual & Common mode, Type of input & memory retention.

Working

1) First enter in menu-3 (Press < Key) Then Power On.
2) Configure The instrument As per Your Application
3) Press SET + < Key & Follow Menu-2 as per the Application.
4) Press SET Key in Menu-1
5) At Any time press ENT RST key to save and exit.
6) To Change Any parameter < & ^ Key.
7) To go to next parameter, Press SET Key.
8) If No key is Pressed, Menu will Automatically exit after 15 SEC. without saving.