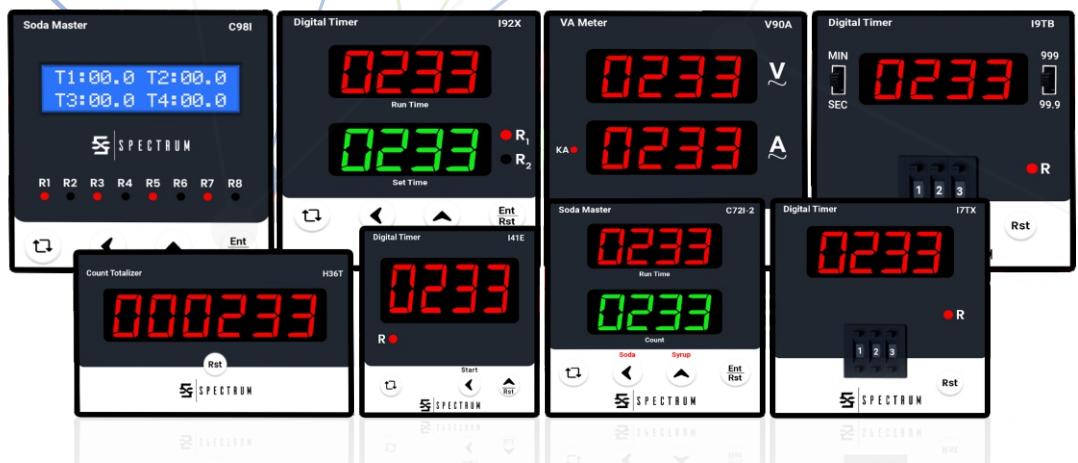




SPECTRUM

EXCLUSIVE

RANGE OF PRODUCTS FOR
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Range of Soda Master - Digital Timer - Digital Counter - Totalizer - Energy Meters

WHY SPECTRUM?

We at "Spectrum" are committed to provide best Industrial Products with best solution to the users in Industrial Automation using right Controls and Software to achieve a competitive edge in a rapidly changing world. Our reputation for quality, reliability and innovation is represented by the brands our products& services carry. As we increase our offerings, we remain keenly focused on enhancing our unique technology differentiation — and delivering integrated, value -added solutions. Today Spectrum is having wide experience in Industrial sector to supply highly efficient and robust electronic and industrial devices with effective solution. Within this many short but highly productive journey Spectrum has build trust in the area of Process Industries with it's electronic and industrial devices with the industrial solutions. Our business covers consultancy, Engineering, Manufacturing, Installation & Commissioning. To Supply and Execute Control Systems in areas of Process Companies, choose Spectrum for the most comprehensive solutions for industrial automation and for electronic devices in various segments like Temperature controller, Timer, Counter, Energy meters, Process Control Instruments, Customized Solutions and etc.

QUALITY POLICY

At Spectrum, We Believe Quality Is Predominant, Which Leads The Way To Achieve And Exceed Customer Satisfaction Through Continual Improvement In Our Processes, Products, And Services. The Driving Force Of Spectrum Excels Through Our Commitment To Exceed The Expectations Of All Our Stakeholders And To Create Lifelong Connections.

VISION

To Become Highly Valued And Trusted Brand Through Our Innovative And Modern Products Created By The Advanced Technology, Unmatched Product Price And Unequivocal Customer Query Resolution Achieved Via After Sales Services.

MISSION

We Strive To Provide The Best Quality Products And Services With Goal Of Creating Lifelong Customer Relationship.



C94I



C96I



C98I

Model	Size	Panel Cutout	Display
C94I	96x96	92x92	LCD 16X2
C96I	96x96	92x92	LCD 16X2
C98I	96x96	92x92	LCD 16X2

Specification

Inputs	Start Pulse	Proxy/Micro switch/Limit Switch
	Type	Trigger
Range	Sec	0 ~ 99.9 Sec
Outputs	Relay	Upto 8- Relay,
	Rating	1C / O , 10A, 230 Vac
Counting	Individual Chennal (Nozzle) count	
Totalizer	Totalizer For All Chennal (Nozzle)	
Reset	Manual Reset facility from Front & Back	
Supply	230V AC, 50 Hz Linear	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	



I94S



I96S



I98S

Model	Size	Panel Cutout	Display
I94S	96x96	92x92	LCD 16X2
I96S	96x96	92x92	LCD 16X2
I98S	96x96	92x92	LCD 16X2

Specification

Inputs	Start Pulse	Proxy/Micro switch/Limit Switch
	Type	Trigger / Sequential
Range	Sec	0 ~ 99.9 Sec
Outputs	Relay	Upto 8- Relay,
	Rating	1C / O , 10A, 230 Vac
Counting	Individual Chennal (Nozzle) count	
Totalizer	Totalizer For All Chennal (Nozzle)	
Reset	Manual Reset facility from Front & Back	
Supply	230V AC, 50 Hz Linear	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	



I41E

Model	Size	Panel Cutout	Display
I41E	48X48	45X45	4D Module, 7 Segment, 4 Digit, 0.56", Red LED For Time
Specification			
Inputs	Start Pulse		Micro switch/Limit Switch
	Type		Power ON/ Eable /Trigger
Range	Sec		0 ~ 9.9999/999.9/9999 Sec
	Min		0 ~ 99.59/999.9/9999 Min/Sec
	Hr		0 ~ 99.59/999.9/9999 Hr/Min
Outputs	Output 1		1- Relay,
	Rating		1C / O , 10A, 230 Vac
Set Point	1 Set Point		Delayed ON / Instant ON Configurable
	2 Set Point		Cyclic Mode
Counting Direction	Up/Down Configurable		
Memory	Memory Retention Configurable		
Reset	Auto/ Manual Reset facility from Front & Back		
Supply	230V AC, 50 Hz Linear		
Body Type	ABS Polycarbonate		
Operating Temp	0 to 55 Degree Celsius		
Relative Humidity	Up to 95% RH Non Condensing		



I42C

Model	Size	Panel Cutout	Display
I42C	48X48	45X45	4D Module, 7 Segment, 4 Digit, 0.56", Red LED For Time
Specification			
Inputs	Start Pulse		Proxy NPN/Micro switch/Limit Switch
	Type		Power ON/ Eable /Trigger
Range	Sec		0 ~ 9.9999/999.9/9999 Sec
	Min		0 ~ 99.59/999.9/9999 Min/Sec
	Hr		0 ~ 99.59/999.9/9999 Hr/Min
Outputs	Output		2- Relay,
	Rating		1C / O , 10A, 230 Vac
Set Point	1 Set Point		Delayed ON / Instant ON Configurable
	2 Set Point		Cyclic Mode
Operating Mode	Auto/Manul Via Two Way Rotary Switch Configurable		
Counting Direction	Up/Down Configurable		
Memory	Memory Retention Configurable		
Reset	Auto/ Manual Reset facility from Front & Back		
Supply	230V AC, 50 Hz Linear		
Body Type	ABS Polycarbonate		
Operating Temp	0 to 55 Degree Celsius		
Relative Humidity	Up to 95% RH Non Condensing		



C72I-1



C72I-2

Model	Size	Panel Cutout	Display
C72I-1	72X72	68X68	Upper : 7 Segment, 4 Digit, 0.39", Red LED For Time Lower : 7 Segment, 4 Digit, 0.39", Green LED For Total Count
C72I-2	72X72	68X68	Upper : 7 Segment, 4 Digit, 0.39", Red LED For Time Lower : 7 Segment, 4 Digit, 0.39", Green LED For Total Count

Specification

Inputs	Start Pulse	Proxy/Micro switch/Limit Switch
	Type	Trigger
Range	Sec	0 ~ 9.9999/999.9/9999 Sec
	Min	0 ~ 99.59/999.9/9999 Min/Sec
Outputs	Output 2	1- Relay,
	Rating	1C / O , 10A, 230 Vac
	SSR/Buzzer	12V DC (30m A DC) Approximately (Factory Set)
Operating Mode	Forward - Reverse Mode	
	Cyclic Mode	
	Individual Mode	
Counting Direction	Up/Down Configurable	
Memory	Memory Retention Configurable	
Reset	Auto/ Manual Reset facility from Front & Back	
Supply	230V AC, 50 Hz Linear	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	



I41X



I71X



I91X

Model	Size	Panel Cutout	Display		
I41X	48x48	44x44	Upper : 7 Segment, 4 Digit, 0.39", Red LED For Time Lower : 7 Segment, 4 Digit, 0.28", Green LED For Set Time		
I71X	72x72	68x68	Upper : 7 Segment, 4 Digit, 0.39", Red LED For Time Lower : 7 Segment, 4 Digit, 0.39", Green LED For Set Time		
I91X	96x96	92x92	Upper : 7 Segment, 4 Digit, 0.56", Red LED For Time Lower : 7 Segment, 4 Digit, 0.39", Green LED For Set Time		
Specification					
Inputs	Start Pulse	Proxy/Micro switch/Limit Switch			
	Type	Power ON/ Eable /Trigger			
Range	Sec	0 ~ 9.9999/999.9/9999 Sec			
	Min	0 ~ 99.59/999.9/9999 Min/Sec			
	Hr	0 ~ 99.59/999.9/9999 Hr/Min			
Outputs	Output 1	1- Relay,			
	Rating	1C / O , 10A, 230 Vac			
	SSR/Buzzer	12V DC (30 mA DC) Approximately (Factory Set)			
Set Point	1 Set Point	Delayed ON / Instant ON Configurable			
	2 Set Point	Cyclic Mode			
Counting Direction	Up/Down Configurable				
Memory	Memory Retention Configurable				
Reset	Auto/ Manual Reset facility from Front & Back				
Supply	230V AC, 50 Hz Linear				
Body Type	ABS Polycarbonate				
Operating Temp	0 to 55 Degree Celsius				
Relative Humidity	Up to 95% RH Non Condensing				



I42X



I72X



I92X

Model	Size	Panel Cutout	Display		
I42X	48x48	44x44	Upper : 7 Segment, 4 Digit, 0.39", Red LED For Time Lower : 7 Segment, 4 Digit, 0.28", Green LED For Set Time		
I72X	72x72	68x68	Upper : 7 Segment, 4 Digit, 0.39", Red LED For Time Lower : 7 Segment, 4 Digit, 0.39", Green LED For Set Time		
I92X	96x96	92x92	Upper : 7 Segment, 4 Digit, 0.56", Red LED For Time Lower : 7 Segment, 4 Digit, 0.39", Green LED For Set Time		
Specification					
Inputs	Start Pulse	Proxy/Micro switch/Limit Switch			
	Type	Power ON/ Eable /Trigger			
Range	Sec	0 ~ 9.9999/999.9/9999 Sec			
	Min	0 ~ 99.59/999.9/9999 Min/Sec			
	Hr	0 ~ 99.59/999.9/9999 Hr/Min			
Outputs	Output	2- Relay,			
	Rating	1C / O , 10A, 230 Vac			
	SSR/Buzzer	12V DC (30 mA DC) Approximately (Factory Set)			
Operating Mode	Forward - Reverse Mode, Cyclic Mode, Combinational Mode, Sequential Mode				
Counting Direction	Up/Down Configurable				
Memory	Memory Retention Configurable				
Reset	Auto/ Manual Reset facility from Front & Back				
Supply	230V AC, 50 Hz Linear				
Body Type	ABS Polycarbonate				
Operating Temp	0 to 55 Degree Celsius				
Relative Humidity	Up to 95% RH Non Condensing				



I7TX



I9TX

Model	Size	Panel Cutout	Display
I7TX	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED
I9TX	96x96	92x92	

Specification

Inputs	Start Pulse at Back	
Range	0~99.9/0~999 Min/Sec Configurable	
Outputs	Output 1	1- Relay,
	Rating	1C / O , 10A, 230 Vac
Set Point	Single Set Point	
Counting Direction	Up/Down Configurable	
Operating Mode	Delayed On/ Instant On Configurable	
Memory	Memory Retention Configurable	
Reset	Auto/ Manual Reset facility from Front & Back	
Supply	230V AC, 50 Hz Linear	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	



I7TB



I9TB

Model	Size	Panel Cutout	Display
I7TB	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED
I9TB	96x96	92x92	

Specification

Inputs	Power ON Start	
Range	0~99.9/0~999 Min/Sec Configurable	
Outputs	Output	1- Relay,
	Rating	1C / O , 10A, 230 Vac
Set Point	Single Set Point	
Reset	Auto/ Manual Reset facility at Back	
Supply	230V AC, 50 Hz Linear	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	

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H36T



H70T



H90T

Model	Size	Panel Cutout	Display
H36T	38x62	31x54	7 Segment, 6 Digit, 0.29", Red LED for Total Count
H70T	72x72	68x68	7 Segment, 6 Digit, 0.39", Red LED for Total Count
H90T	96x96	92x92	7 Segment, 6 Digit, 0.39", Red LED for Total Count

Specification

Inputs	NPN/PNP Proximity Switch/Micro Switch(Configurable) with Freq 80 Hz	
Range	(0~999999 Count)	(0~999999 Count)
Memory	Non Volatile Memory	
Reset	Manual Reset facility from Front	
Supply	230V AC, 50 Hz Linear	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	

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V70B



V90B

Model	Size	Panel Cutout	Display
V70B	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED
V90B	96x96	92x92	

Specification

Inputs	AC Volt
Range	0 ~ 500 Vac
Accuracy	Class 1.0
Supply	230V AC, 50 Hz Linear
Body Type	ABS Polycarbonate
Operating Temp	0 to 55 Degree Celsius
Relative Humidity	Up to 95% RH Non Condensing

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A70B



A90B

Model	Size	Panel Cutout	Display
A70B	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED
A90B	96x96	92x92	

Specification

Inputs	AC Amp (Up to 5Amp)
Range	CT Selection Upto 2000 / 5 Amp
Accuracy	Class 1.0
Supply	230V AC, 50 Hz Linear
Body Type	ABS Polycarbonate
Operating Temp	0 to 55 Degree Celsius
Relative Humidity	Up to 95% RH Non Condensing

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V70A



V90A

Model	Size	Panel Cutout	Display
V70A	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED
V90A	96x96	92x92	

Specification

Inputs	AC Amp (Up to 5Amp) & AC Volt	
Range	AC Amp	CT Selection Up to 2000 / 5 Amp
	AC Volt	0 ~ 500 Vac
Accuracy	Class 1.0	
Supply	230V AC, 50 Hz Linear	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	

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