



SPECTRUM
ELECTRONIC AND CONTROL SOLUTION



PID Temperature Controller-Digital Timer-Digital Counter -Process Control-Power & Energy Meters-Photo Control Instruments-Customized Solutions

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.

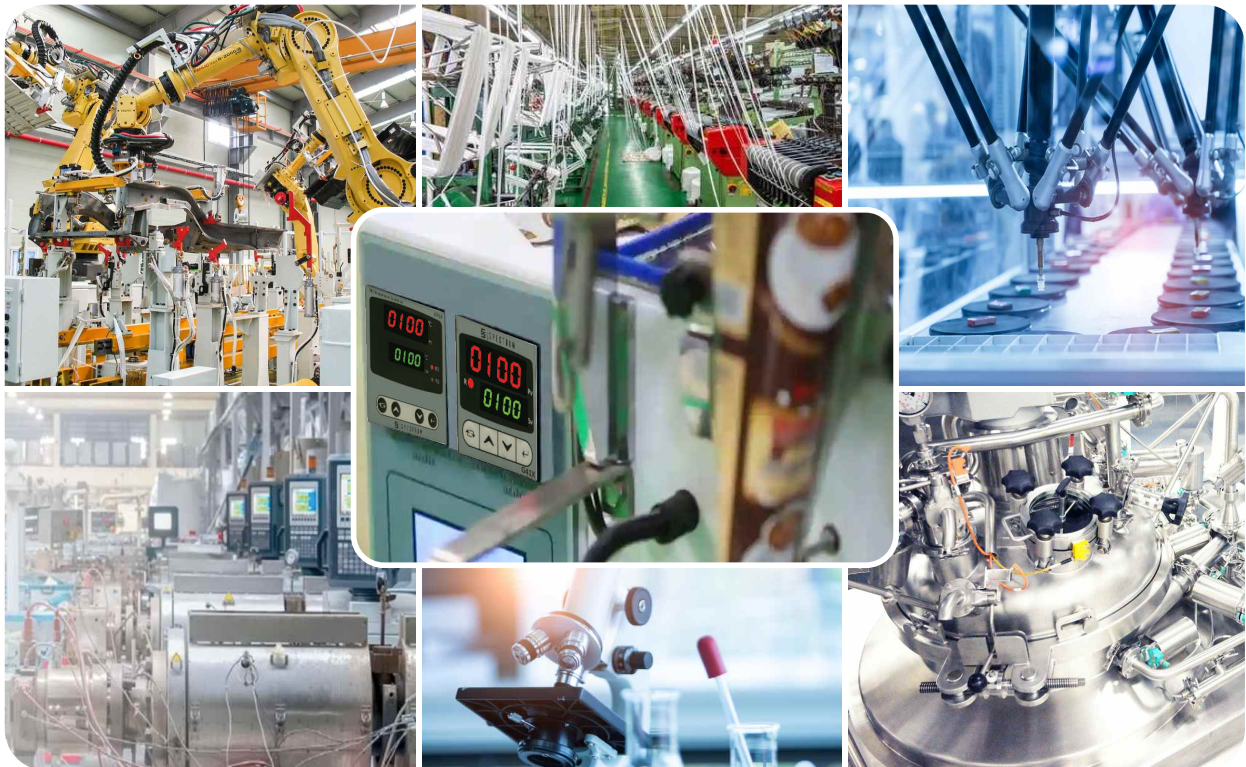


APPLICATION

Spectrum offers range of quality products namely Temperature Controller, Digital Timer, Digital Counter, Process Controller, Power & Energy meters and customized solutions for the numerous electronic device requirements.

Our range of instruments have many industrial applications & solutions ranging from small scale industries to the large scale ones. Which incorporates,

- ▶ Packaging Industries
- ▶ Extrusion industries
- ▶ Food Industries
- ▶ Textile Industries
- ▶ Manufacturing Industries
- ▶ Pharmaceutical
- ▶ Lab testing equipment
- ▶ Process industries and many more.



INDEX

PAGE NO.

► Temperature Controller.....	06
• DUAL OUTPUT PID - FULL FEATURED	
• DUAL OUTPUT AUTO TUNED PID	
• SINGLE OUTPUT AUTO TUNED PID	
• SINGLE OUTPUT FIXED INPUT	
• SINGLE OUTPUT AUTO TUNED PID - FIXED INPUT	
• BLIND SINGLE OUTPUT FIXED INPUT	
• PUSH TO SET SINGLE OUTPUT FIXED INPUT	
• INDICATORS	
► Digital Timer.....	14
• DOUBLE OUTPUT UNIVERSAL TIMER	
• SINGLE OUTPUT UNIVERSAL TIMER	
• THUMB WHEEL TIMER FULL FEATURES	
• THUMB WHEEL TIMER	
► Digital Counter.....	18
• LENGTH COUNTER	
• BATCH COUNTER	
• COUNT TOTALIZER	
• PROGRAMABLE COUNTER	
• THUMB WHEEL PROGRAMABLE COUNTER	
• RPM METER	
► Power & Energy Meter.....	24
• AC VOLT METER	
• AC AMP METER	
• DUAL VOLT + AMP METER	
► Process Instruments.....	27
• PROCESS INDICATORS	
► Other.....	28
• PHOTO CONTROL PANEL	
• SODA MASTER	
• IGNITION CONTROLLER	
• HEATER INDICATOR	
• ELECTRONIC HOOTER	



BROUCHER MAP

Category	Type	Input	Output	Size	Model	Page No.	
Temprature Controller	Pid Full Featured	Universal	2 Relay + SSR Parallel	48X48	G42Y	6	
				72x72	G72Y	6	
				96x96	G92Y	6	
				48x48	G42X	7	
				72x72	G72X	7	
			96x96	G92X	7		
	Pid Auto-Tuned (Double Display)	1 Relay + SSR Parallel	48x48	G41X	8		
			72x72	G71X	8		
			96x96	G91X	8		
			48x48	G41E	9		
	Normal (TP/ON-OFF)	J - K & PT.100 Factory Set	1 Relay + SSR Parallel	72x72	G71E	9	
				96x96	G91E	9	
				48x48	G41P	10	
	72x72			G71P	10		
	96x96			G91P	10		
Pid Auto-tuned (single Display)							
Blind	J - K & PT.10 Factory Set	1 Relay + SSR Parallel	72x72	O71B	11		
			96x96	O91B	11		
Push To Set	J - K & PT.10 Factory Set	1 Relay + SSR Parallel	72x72	G71S	12		
			96x96	G91S	12		
Indicators	J - K & PT.100 Factory Set	NA	48x48	G40I	13		
			72x72	G70I	13		
			96x96	G90I	13		
Digital Timer	Universal Timer	Proxy/MS/LS Power on/Trigger/Enable	2 Relay	48x48	I42X	14	
				72x72	I72X	14	
				96x96	I92X	14	
			Proxy/MS/LS Power on/Trigger/Enable	1 Relay	48x48	I41X	15
			72x72		I71X	15	
			96x96		I91X	15	
	Thumb Wheel Timer	Start Pulse	1 Relay	48x48	I4TX	16	
				72x72	I7TX	16	
		Power ON		96x96	I9TX	16	
				48x48	I4TB	17	
				72x72	I7TB	17	
				96x96	I9TB	17	
Digital Counter	Length Counter	Proximity Switch	1 Relay	48x48	H41L	18	
					72x72	H71L	18
					96x96	H91L	18
	Batch Counter	Proximity Switch	1 Relay	48x48	H41B	19	
					72x72	H71B	19
					96x96	H91B	19
	Totalizer	Proximity Switch Micro Switch	NA	38x62	H36T	20	
					72x72	H70T	20
					96x96	H90T	20
	Program Counter	Proximity Switch Micro Switch	1 Relay	48x48	H41P	21	
					72x72	H71P	21
					96x96	H91P	21
	Thumbwheel Program Counter			48x48	H4TP	22	
			72x72	H7TP	22		
			96x96	H9TP	22		
RPM Meter	Proximity Switch	NA	48x96	H49R	23		
				72x72	H70R	23	
				96x96	H90R	23	
Energy Meter (1 Ø)	AC Volt Meter	AC Volt	NA	48x96	V49B	24	
					72x72	V70B	24
					96x96	V90B	24
	AC Amp Meter	AC Amp		48x96	A49B	25	
					72x72	A70B	25
					96x96	A90B	25
	AC (Volt + Amp) Meter	AC Votl/AC Amp		48x96	V49A	26	
					72x72	V70A	26
					96x96	V90A	26
Process Indicators	Full Features	0-10V DC 0-20mA DC 4-20mA DC	NA	48x48	P40X	27	
				48x96	P49X	27	
				72x72	P70X	27	
				96x96	P90X	27	
OTHER	Photo Control Panel	Proxy & Color Mark Sensor	2 Output (forward & Reverse Winding)	192X96	CP91X	28	
	Soda Master	Proximity Switch Micro Switch	2 Relay	72X72	C72I-1	29	
	Ignition Controller	Flame Sensor		96X96	IC92X	30	
	Heater Indicator	Heater	NA	72x72	O71B	30	
	Electronic Hooter	Hooter	NA	72x72	O70H	31	
				96X96	O90H		





G42Y



G72Y



G92Y

Model	Size	Panel Cutout	Display
G42Y	48x48	44x44	Upper : 7 Segment, 4 Digit, 0.39", Red LED for Process Value Lower : 7 Segment, 4 Digit, 0.28", Green LED for Set Value
G72Y	72x72	68x68	Upper : 7 Segment, 4 Digit, 0.56", Red LED for Process Value Lower : 7 Segment, 4 Digit, 0.4, Green LED for Set Value
G92Y	96x96	92x92	

Specification

Inputs	Sensor	J/K/PT100 (2W/ 3W) Configurable
	Range	J(0-600) K(0-1200), Pt-1002W/3W(-99-400, -99.9 to 400.0) Degree Celsius
Outputs	Output 1	1- Relay,
	Output 2	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30 mA DC) Approximately (Factory Set)
Set Point	2 Set Points	
Control Action	Auto Tune PID /TP/ On-Off Configurable	
Operating Mode	Set 1 (Heating ,Cooling, High Alarm, Low Alarm, Inband, Outband)	
	Set 2 (Heating ,Cooling, High Alarm, Low Alarm, Inband, Outband, End Alarm)	
Supply	G42Y : 100-250 Vac/DC, 50/60Hz , SMPS	
	Other : 230Vac 50 Hz LPS	
Accuracy	± 1% of FSD	
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C/0.1°C	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	



G42X



G72X



G92X

Model	Size	Panel Cutout	Display
G42X	48x48	44x44	Upper : 7 Segment, 4 Digit, 0.39", Red LED for Process Value Lower : 7 Segment, 4 Digit, 0.28", Green LED for Set Value
G72X	72x72	68x68	Upper : 7 Segment, 4 Digit, 0.56", Red LED for Process Value Lower : 7 Segment, 4 Digit, 0.4", Green LED for Set Value
G92X	96x96	92x92	

Specification

Inputs	Sensor	J/K/PT:100 (2W/ 3W) Configurable
	Range	J(0-600) K(0-1200), Pt-1002W/3W(-99-400, -99.9 to 400.0) Degree Celsius
Outputs	Output 1	1- Relay,
	Output 2	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30 mA DC) Approximately (Factory Set)
Set Point	2 Set Points	
Control Action	Auto Tune PID /TP/ On-Off Configurable	
Operating Mode	Set 1 (Heating)	
	Set 2 (Cooling)	
Supply	G42X : 100-250 Vac/DC, 50/60Hz , SMPS	
	Other : 230Vac 50 Hz LPS	
Accuracy	± 1% of FSD	
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C/0.1°C	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	



G41X



G71X



G91X

Model	Size	Panel Cutout	Display
G41X	48x48	44x44	Upper : 7 Segment, 4 Digit, 0.39", Red LED for Process Value Lower : 7 Segment, 4 Digit, 0.28", Green LED for Set Value
G71X	72x72	68x68	Upper : 7 Segment, 4 Digit, 0.56", Red LED for Process Value Lower : 7 Segment, 4 Digit, 0.4", Green LED for Set Value
G91X	96x96	92x92	

Specification

Inputs	Sensor	J/K/PT:100 (2W/ 3W) Configurable
	Range	(0-600) K(0-1200), Pt-1002W/3W(-99-400, -99.9 to 400.0) Degree Celsius
Outputs	Output 1	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30 mA DC) Approximately (Factory Set)
Set Point	1 Set Points	
Control Action	Auto Tune PID / On-Off Configurable	
Operating Mode	Heating	
Supply	G41X : 100-250 Vac/DC, 50/60Hz , SMPS	
	Other : 230Vac 50 Hz LPS	
Accuracy	± 1% of FSD	
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C/0.1°C	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Realative Humidity	Up to 95% RH Non Condensing	



G41E



G71E



G91E

Model	Size	Panel Cutout	Display
G41E	48x48	44x44	7 Segment, 4 Digit, 0.56", Red LED
G71E	72x72	68x68	
G91E	96x96	92x92	

Specification

Inputs	Sensor	J/K Or PT.100 (2W/ 3W) Factory Set
	Range	J(0-600), K(0-1200), Pt-100(2W/3W) (0-400) Degree Celsius
Outputs	Output 1	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30 mA DC) Approximately (Factory Set)
Set Point	1 Set Points	
Control Action	On-Off / TP Configurable	
Operating Mode	Heat/Cool (Configurable)	
Supply	230V AC 50 Hz LPS	
Accuracy	± 1% of FSD	
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C / 0.1°C	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Realative Humidity	Up to 95% RH Non Condensing	

TEMPERATURE CONTROLLER

SINGLE OUTPUT AUTOTUNED PID - FIXED INPUT



G41P



G71P



G91P

Model	Size	Panel Cutout	Display
G41P	48x48	44x44	7 Segment, 4 Digit, 0.56", Red LED
G71P	72x72	68x68	
G91P	96x96	92x92	

Specification

Inputs	Sensor	J/K Or PT:100 (2W/ 3W) Factory Set
	Range	J(0-600), K(0-1200), Pt-1002W/3W(0-400) Degree Celsius
Outputs	Output 1	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30 mA DC) Approximately (Factory Set)
Set Point	1 Set Points	
Control Action	PID Auto tune / On-Off Configurable	
Operating Mode	Heat/Cool (Configurable)	
Supply	230V AC 50 Hz LPS	
Accuracy	± 1% of FSD	
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C / 0.1°C	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Realative Humidity	Up to 95% RH Non Condensing	



G71B

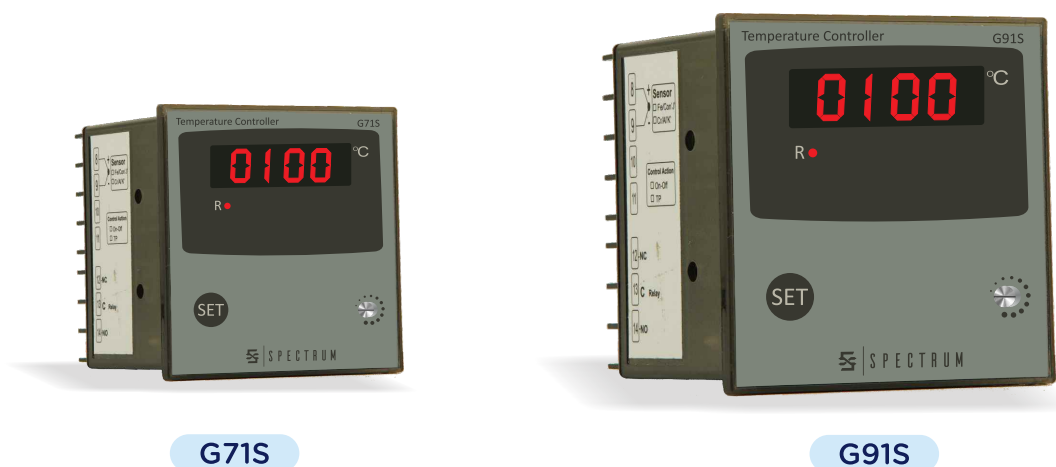


G91B

Model	Size	Panel Cutout	
G71B	72x72	68x68	
G91B	96x96	92x92	
Specification			
Inputs	Sensor		J / K (2W/ 3W) Factory Set
	Range		J(0-400), K(0-1200), Degree Celsius
Outputs	Output 1		1- Relay,
	Rating		1C / O , 5A, 230 Vac
Set Point	1 Set Points		
Control Action	TP / On-Off (Factory Set)		
Operating Mode	Heating		
Supply	230 Vac, 50Hz , LPS		
Accuracy	± 1% of FSD		
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C / 0.1°C		
Body Type	ABS Polycarbonate		
Operating Temp	0 to 55 Degree Celsius		
Realative Humidity	Up to 95% RH Non Condensing		

TEMPERATURE CONTROLLER

SINGLE OUTPUT FIXED INPUT PUSH TO SET



G71S

G91S

Model	Size	Panel Cutout	Display
G71S	72x72	68x68	7 Segment, 4 Digit, 0.56", Red LED
G91S	96x96	92x92	
Specification			
Inputs	Sensor		J / K / PT.100 (2W/ 3W) Factory Set
	Range		J(0-600), K(0-1200), Pt-1002W/3W(0-400) Degree Celsius
Outputs	Output 1		1- Relay,
	Rating		1C / O , 5A, 230 Vac
	SSR/Buzzer		12V DC (30 mA DC) Approximately (Factory Set)
Set Point	1 Set Points		
Control Action	TP / On-Off (Factory Set)		
Operating Mode	Heating		
Supply	230 Vac, 50Hz , LPS		
Accuracy	± 1% of FSD		
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C / 0.1°C		
Body Type	ABS Polycarbonate		
Operating Temp	0 to 55 Degree Celcius		
Realative Humidity	Up to 95% RH Non Condensing		



G40I



G70I



G90I

Model	Size	Panel Cutout	Display
G40I	48x48	44x44	Upper : 7 Segment, 4 Digit, 0.56", Red LED
G70I	72x72	68x68	
G90I	96x96	92x92	

Specification

Inputs	Sensor	J/K Or PT.100 (2W/ 3W) Factory Set
	Range	J(0-600), K(0-1200), Pt-1002W/3W(0-400) Degree Celsius
Supply	230 Vac, 50Hz , LPS	
Accuracy	± 1% of FSD	
Resolution	J&K 1°C Fix, Pt-100 2W/3W 1°C	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Realative Humidity	Up to 95% RH Non Condensing	



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, 0.4", Red LED For Time Lower : 7 Segment, 4 Digit, 0.4", Green LED For Set Time
I92X	96x96	92x92	Upper : 7 Segment, 4 Digit, 0.56", Red LED For Time Lower : 7 Segment, 4 Digit, 0.4", 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	2- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	112V DC (30m A 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	



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, 0.4", Red LED For Time Lower : 7 Segment, 4 Digit, 0.4", Green LED For Set Time
I91X	96x96	92x92	Upper : 7 Segment, 4 Digit, 0.56", Red LED For Time Lower : 7 Segment, 4 Digit, 0.4", 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 , 5A, 230V AC
	SSR/Buzzer	12V DC (30m A 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	



I4TX



I7TX



I9TX

Model	Size	Panel Cutout	Display
I4TX	48x48	44x44	7 Segment, 3 Digit, 0.4", Red LED
H7TX	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED
H9TX	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 , 5A, 230 Vac
	SSR/Buzzer	112V DC (30m A DC) Approximately (Factory Set)
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	



I4TB



I7TB



I9TB

Model	Size	Panel Cutout	Display
I4TB	48x48	44x44	7 Segment, 3 Digit, 0.4", Red LED
H7TB	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED
H9TB	96x96	92x92	

Specification

Inputs	Power ON Start	
Range	0~99.9/0~999 Min/Sec Configurable	
Outputs	Output 1	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30m A DC) Approximately (Factory Set)
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	



H41L



H71L



H91L

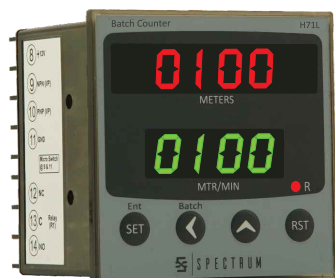
Model	Size	Panel Cutout	Display
H41L	48x48	44x44	Upper : 7 Segment, 5 Digit, 0.39", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.28", Green LED for Meter Per Minute
H71L	72x72	68x68	Upper : 7 Segment, 6 Digit, 0.4", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.4", Green LED for Meter Per Minute
H91L	96x96	92x92	Upper : 7 Segment, 6 Digit, 0.56", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.4", Green LED for Meter Per Minute

Specification

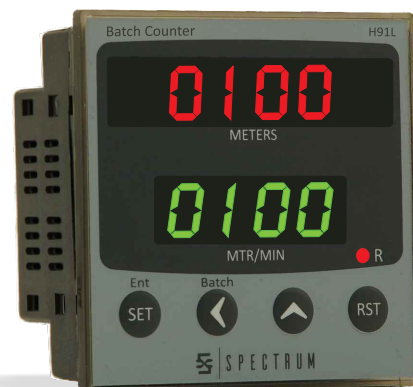
Inputs	NPN/PNP Proximity Switch(Configurable)/ Encoder (Factory Set)	
Range	0-99999.9 / 0-999999 Meter Configurable	
Outputs	Output 1	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC Approximately (Factory Set)
Set Point	Single Set Point	
Diameter Range	0-9999.99 (H41L 0-999.99)	
Auto time Range	99.9 Sec	
Memory	Memory Retention for Power failure	
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	



H41B



H71B



H91B

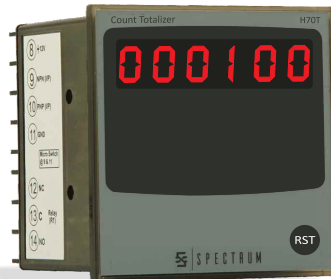
Model	Size	Panel Cutout	Display
H41B	48x48	44x44	Upper : 7 Segment, 5 Digit, 0.39", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.28", Green LED for Meter Per Minute
H71B	72x72	68x68	Upper : 7 Segment, 6 Digit, 0.4", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.4", Green LED for Meter Per Minute
H91B	96x96	92x92	Upper : 7 Segment, 6 Digit, 0.56", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.4", Green LED for Meter Per Minute

Specification

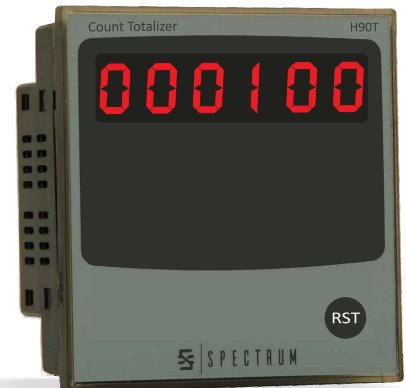
Inputs	NPN/PNP Proximity Switch/Micro Switch(Configurable)	
Range	Upper display Range	(0-999999 Count)
	Lower display Range (0~9999)	H41B : (0-99999 Count) 0-9999
Outputs	Output 1	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30m A DC)Approximately (Factory Set)
Single Set Point	Single Set Point	
Auto time Range	99.9 Sec (Configurable)	
Memory	Non Volatile Memory	
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	



H36T



H70T



H90T

Model	Size	Panel Cutout	Display
H36T	38x62	31x54	7 Segment, 6 Digit, 0.3", Red LED for Total Count
H70T	72x72	68x68	7 Segment, 6 Digit, 0.4", Red LED for Total Count
H90T	96x96	92x92	7 Segment, 6 Digit, 0.56", 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	



H41P



H71P



H91P

Model	Size	Panel Cutout	Display
H41P	48x48	44x44	Upper : 7 Segment, 4 Digit, 0.39", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.28", Green LED for Meter Per Minute
H71P	72x72	68x68	Upper : 7 Segment, 4 Digit, 0.4", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.4", Green LED for Meter Per Minute
H91P	96x96	92x92	Upper : 7 Segment, 4 Digit, 0.56", Red LED for Meter Lower : 7 Segment, 4 Digit, 0.4", Green LED for Meter Per Minute

Specification

Inputs	NPN/PNP Proximity Switch/Micro Switch(Configurable)	
Range	0 ~ 9999 Count	
Outputs	Output 1	1- Relay,
	Rating	1C / O , 5A, 230 Vac
	SSR/Buzzer	12V DC (30m A DC) Approximately (Factory Set)
Single Set Point	Single Set Point	
Auto time Range	99.9 Sec (Configurable)	
Count Direction	Up / Down Counting Factory set	
Memory	Non Volatile Memory	
Reset	Auto/ Manual Reset facility from Back	
Supply	230V AC, 50 Hz Linear	
	H41P : 100~250 ~Ac/Dc, 50Hz/60Hz, SMPS	
Body Type	ABS Polycarbonate	
Operating Temp	0 to 55 Degree Celsius	
Relative Humidity	Up to 95% RH Non Condensing	



H7TP

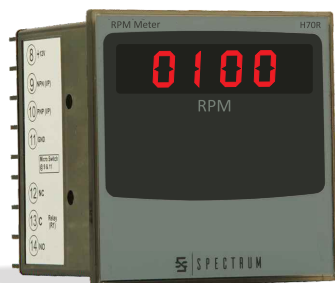


H9TP

Model	Size	Panel Cutout	Display
H7TP	72x72	68x68	7 Segment, 3 Digit, 0.56", Red LED for Current Count
H9TP	96x96	92x92	7 Segment, 3 Digit, 0.56", Red LED for Current Count
Specification			
Inputs	NPN/PNP Proximity Switch/Micro Switch(Configurable)		
Outputs	Output 1	1- Relay,	
	Rating	1C / O , 5A, 230 Vac	
	SSR/Buzzer	12V DC (30m A DC) Approximately (Factory Set)	
Set Point	Single Set Point		
Count Direction	Up / Down Counting Factory set		
Memory	Non Volatile Memory		
Reset	Auto/ Manual Reset facility from 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		



H49R



H70R



H90R

Model	Size	Panel Cutout	Display
H49R	48X96	44X92	7 Segment, 4 Digit, 0.56", Red LED for Total Count
H70R	72x72	68x68	7 Segment, 4 Digit, 0.4", Red LED for Total Count
H90R	96x96	92x92	7 Segment, 4 Digit, 0.56", Red LED for Total Count

Specification

Inputs	NPN/PNP Proximity Switch
Frequency	80 Hz
Range	4 ~ 5000 RPM
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



V49B



V70B



V90B

Model	Size	Panel Cutout	Display
V49B	48X96	44X92	7 Segment, 3 Digit, 0.56", Red LED
V70B	72x72	68x68	
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



Model	Size	Panel Cutout	Display
A49B	48X96	44X92	7 Segment, 3 Digit, 0.56", Red LED
A70B	72x72	68x68	
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		



V49A



V70A



V90A

Model	Size	Panel Cutout	Display
V49A	48X96	44X92	7 Segment, 3 Digit, 0.56", Red LED
V70A	72x72	68x68	
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	



Model	Size	Panel Cutout	Display
P40X	48X48	44X44	7 Segment, 4 Digit, 0.4", Red LED for Process value
P49X	48x96	44x92	7 Segment, 4 Digit, 0.56", Red LED for Process value
P70X	72x72	68x68	
P90X	96x96	92x92	

Specification	
Inputs	0 ~ 10 VDC / 0 ~ 20 mADC / 4 ~ 20 mADC (Configurable)
Range	-999 to 9999
Parameter	Correction Factor / Offset / Filter Time
Resolution	1 / 0.1 Configurable
Accuracy	1% of FSD
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



CP91X

Model	Size	Panel Cutout	Display
CP91X	192X96	92X188	Upper : 7 Segment, 6 Digit, 0.56", Total Count Lower : 7 Segment, 2 Digit, 0.56", Time in ms (0-99)
Specification			
Inputs	NPN proximity switch Color mark sensor		
Range	0-9999999 Count		
Supply	110 V AC, 50Hz Linear		
Output	2 Output for Forward and Reverse winding 2A, 110 VAC		
Body Type	ABS Polycarbonate		
Operating Temp	0 to 55 Degree Celsius		
Relative Humidity	Up to 95% RH Non Condensing		



C72I-1

Model	Size	Panel Cutout	Display
C72I-1	72X72	68X68	Upper : 7 Segment, 4 Digit, 0.4", Red LED For Time Lower : 7 Segment, 4 Digit, 0.4", 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 , 5A, 230V AC
	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		



O71B



O70H

O90H

Model	Size	Panel Cutout	
O70H	72x72	68x68	
O90H	96x96	92x92	

Specification	
Inputs	230V AC/24V DC factory set
Frequency	50 Hz
Sound Range	Up to 95db
Body Type	ABS Polycarbonate
Operating Temp	0 to 55 Degree Celsius
Relative Humidity	Up to 95% RH Non Condensing



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ELECTRONIC AND CONTROL SOLUTION



SM ELECTRONICS

Web : spectrumecs.com
Support : support@spectrumecs.com
+91 99090 21144
Feedback : info@spectrumecs.com