MULTISPAN

MEASUREMENT & CONTROL
WITH OPTIMUM PERFORMANCE



Product Catalog
2026



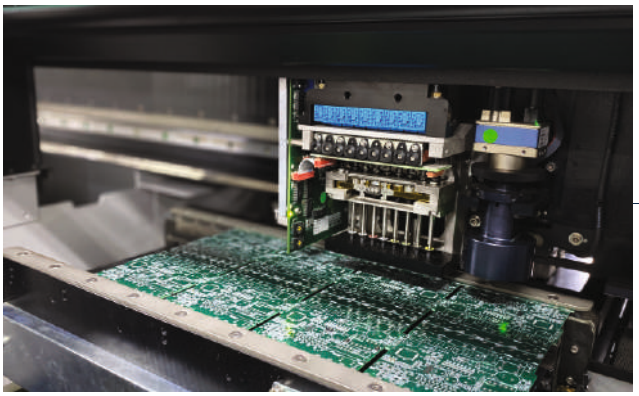
OUR FOCUS

Provide user-friendly accurate solutions in a way it makes a difference for every industry

USER-FRIENDLY & ACCURATE SOLUTIONS

Multispan is a leading company involved in the development and production of PID Temperature Controllers, Power & Energy Meters, Protection Relays, Timers & Counters as well as customised solutions for various industrial applications. As an owner-managed family business, we employ about 450+ staff with 75+ domestic channel sales partner network in India plus product distribution in 25+ countries.

With marked customer orientation, consistently high quality and vast innovation capability, Multispan develops specific solutions for many industries and applications



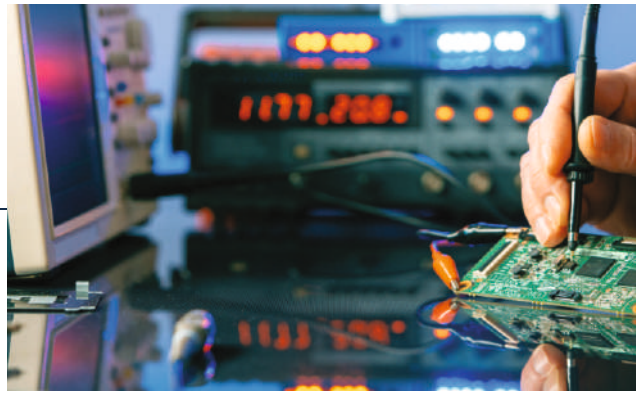
Electronic **Assembly**



Plastic Enclosure **Manufacturing**



Testing & Quality **Control**



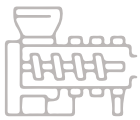
Reliability **Laboratory**

INFRASTRUCTURE

Established in 1986, Multispan has grown significantly as a professionally managed organization. The company has a proven track record of performance & quality of its products till date. Over the years, Multispan has developed proficiency in product design, product development & product testing, with vertically integrated manufacturing facility, infrastructure & a cutting edge, 30-member strong R&D division, with over 3000 software applications, 200+ standard products & 100+ customized products.

Applications

Our entire product range has varied industrial applications from complex ones like value-controlling to maintain temperature for accurate plastic sealing of food containers to complex IIoT solutions for accurate energy measurement, till serving all kinds of industries.



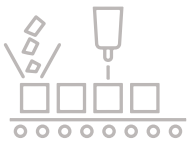
Extrusion Plants



Textile Machinery



Process Industries



Packaging Machinery



Stone Cutting Machinery



Lab Testing Equipements



Food Processing



Pharmaceutical Applications



Printing Machinery



LT, HT Panel



Submersible Pumps & Motor Panel



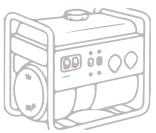
Power Distribution Panel



Boiler and Auxiliary Equipments



Testing Chambers



DG Sets



System Integration & Automation

HVAC & Refrigeration Industries

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Process Control Instruments

16 Channel Scanner with RS-485 Modbus & USB Connectivity

Upto 8 Relay Outputs, Data Logging with Pen Drive compatibility (USB)



	Model	MS-5716RU-M1 USB Pendrive Compatible
	Dimension (HxWxD)mm	192 x 96 x 169
	Panel Cutout (mm)	188 x 92
INPUT	Sensor	J / K / PT-100 2 Wire or 3 Wire
	Analog	0-10V DC / 4-20mA DC / 0-20mA DC (Configurable)
	Range	**J** (0°C - 400°C) , **K** (0°C - 1200°C) , **PT-100 2 Wire or 3 Wire** (-99°C to 400°C, -99.9°C to 400.0°C For Temperature I/P) (-999 to 9999 For analog I/P)
OUTPUT	Output 1	RS-485 Modbus Communication (Optional)
	Output 2	8 Relay with Grouping Facility (Optional)
	Output 3	USB Port with Data Logging Facility (Optional)
	Accuracy	±1% of Full Scale ±1 Digit
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz



Touch Screen

	Model	MS-L14
	Dimension (HxWxD)mm	96 x 96 x 71
	Panel Cutout (mm)	92 x 92
INPUT	Sensor	J / K / PT-100 2 Wire or 3 Wire (Configurable)
	Analog	0-10V DC / 4-20mA DC / 0-20mA DC (Configurable)
	Range	**J** (0°C - 600°C), **K** (0°C - 1200°C), **PT-100 2 Wire or 3 Wire** (-99°C - 400°C, -99.9°C - 400.0°C)
OUTPUT	Output 1	4 Relay with Grouping Facility
	Output 2	RS-485 Modbus Communication (Optional)
	Control Action	ON / OFF
	Accuracy	±1% of Full Scale ±1 Digit
	Supply	20 to 36V DC

Process Control Instruments

8 Channel Scanner with RS-485 Modbus Connectivity

8 Channel Indicator





		MS-1208	MS-1208A
Model		MS-1208	MS-1208A
Dimension (HxWxD)mm		96 x 96 x 54	96 x 96 x 54
Panel Cutout (mm)		92 x 92	92 x 92
INPUT	Inputs	J / K / PT-100 2 Wire or 3 Wire (Configurable)	0 - 10V DC / 4 - 20mA DC / 0 - 20mA DC (Configurable)
	Range	**J** (0°C - 400°C) , **K** (0°C - 1200°C), **PT-100 2 Wire or 3 Wire** (-99.9°C - 400.0°C)	-999 to 9999
OUTPUT		RS-485 Modbus Communication (Optional)	
	Accuracy	±1% of Full Scale ±1 Digit	
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz	

8 Channel Scanner with RS-485 Modbus Connectivity

Upto 4 Channel Outputs, Data Logging with Pen Drive Compatibility (USB)

USB Pendrive Compatible





		TSC-9084U-M1	PSC-9084U-M1
Model		TSC-9084U-M1	PSC-9084U-M1
Dimension (HxWxD)mm		98 x 98 x 76	98 x 98 x 76
Panel Cutout (mm)		92 x 92	92 x 92
INPUT	Input	J / J.1 / K / K.1 / PT / PT.1 / R / S / E / N / T / B / C / L / U (Configurable)	J / J.1 / K / K.1 / PT / PT.1 / R / S / E / N / T / B / C / L / U / 1 - 5V DC / 0 - 10V DC / 0 -20mA DC / 4 - 20mA DC (Configurable)
	Range	J (-200 to 800°C), J.1 (-199.9 to 800.0°C), K (-200 to 1200°C), K.1 (-199.9 to 950.0°C), R (0°C to 1800°C) S (0°C to 1850°C), E (0°C to 600°C), N (-200°C to 1350°C), T (-200°C to 400°C), B (150°C to 1800°C), C (0°C to 2350°C), L (-200°C to 800°C), U (-200°C to 800°C), PT-100/3W (-200°C to 600°C), PT.1/3W (-199.9°C to 600.0°C)	Analog Input : 1 - 5V DC, 0 - 10V DC, 0 -20mA DC , 4 -20mA DC Range : -1999 to 9999
OUTPUT	Output 1	4 Relay with Grouping Facility	
	Output 2	RS-485 Modbus Communication (Optional)	
	Output 3	USB Port with Data Logging Facility (Optional)	
	Control Action	ON / OFF	
	Accuracy	±0.5% of Full Scale ±1 Digit	
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz	

Scanner Model Selection Guide

Sr.No.	Model	Channel	Input - 1 J/K/PT-100	Input - 2 4-20mA/0-20mA/0-10V DC	Output Relay	Output RS-485	Output USB Port
1	MS-1208	8	✓				
2	MS-1208-M1	8	✓			✓	
3	MS-1208A	8		✓			
4	MS-1208A-M1	8		✓		✓	
5	TSC-9084	8	✓		4		
6	TSC-9084-M1	8	✓		4	✓	
7	TSC-9084U	8	✓		4		✓
8	TSC-9084U-M1	8	✓		4	✓	✓
9	PSC-9084	8	✓	✓	4		
10	PSC-9084-M1	8	✓	✓	4	✓	
11	PSC-9084U	8	✓	✓	4		✓
12	PSC-9084U-M1	8	✓	✓	4	✓	✓
13	PSC-9044-M1	4	✓	✓	4	✓	
14	PSC-9044	4	✓	✓	4		
15	PSC-9044U	4	✓	✓	4		✓
16	PSC-9044U-M1	4	✓	✓	4	✓	✓
17	MS-5716	16	✓	✓			
18	MS-5716R	16	✓	✓	8		
19	MS-5716-M1	16	✓	✓		✓	
20	MS-5716U	16	✓	✓			✓
21	MS-5716R-M1	16	✓	✓	8	✓	
22	MS-5716RU	16	✓	✓	8		✓
23	MS-5716U-M1	16	✓	✓		✓	✓
24	MS-5716RU-M1	16	✓	✓	8	✓	✓





		MFC-1058	MFC-3086-M1
Model			
Dimension (HxWxD)mm		96 x 96 x 54	48 x 96 x 85
Panel Cutout (mm)		92 x 92	46 x 92
INPUT	Input	4 to 20mA DC / 0 to 10V DC / Pulse (Factory Set)	Proxy NPN/PNP (Selectable)
	Range	0 to 99999999 For Total Flow 0 to 99999 For Flow Rate	0 to 99999999 for Total Flow 0 to 999999 for Flowrate
OUTPUT	Output 1	4-20mA DC / 0-10V DC Retransmission (Factory Set) (Optional)	4-20mA DC / 0-10V DC Retransmission (Factory Set) (Optional)
	Output 2	24V DC Transmitter Supply@30mA (by default)	24V DC Transmitter Supply@30mA (For Analog Input)
	Output 3	1 Relay / 2 Relay 5A, 230V AC (Resistive Load) (1 Relay by default)	1 Relay / 2 Relay 5A, 230V AC (Resistive Load) (1 Relay by default)
	Output 4	RS-485 Modbus Communication (Optional)	RS-485 Modbus Communication (Optional)
Accuracy		±1% of Full Scale ±1 Digit	
Supply		100 - 270V AC (SMPS), 50/60Hz **or** 24V DC (Factory Set)	

Load Cell Indicator / Controller



		LD-1252
Model		
Dimension (HxWxD)mm		96 x 96 x 54
Panel Cutout (mm)		92 x 92
INPUT	Input	0 - 20mV DC / 0 - 30mV DC from load cell (Factory Set)
	Range	0 to 99999
OUTPUT		1 Relay & 2 Relay (1 Relay by default) 10V DC@100mA DC Load cell supply (by default) 0 - 10V DC / 4 - 20mA DC Retransmission (Any One Factory Set) (Optional) RS-485 Modbus (Optional)
Accuracy		±0.5% of Full Scale ±1 Digit
Supply		100 to 270V AC (SMPS), 50/60Hz

Process Control Instruments

Signal Isolators



Model	MI-431	MI-532	MI-631 / MI-632
Dimension (HxWxD)mm	100 x 12.5 x 115	100 x 17.5 x 115	76 x 28 x 85
Panel Cutout (mm)	Din Rail Mounting	Din Rail Mounting	Din Rail Mounting
INPUT	Analog : 0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC (Factory set)		0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC / -5 to 5V DC / 0 - 300V DC (Factory Reset) Resistance 2 Wire or 3 Wire port
OUTPUT	0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC, Single Output (Factory Set) 24V DC Transmitter Supply	0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC, Dual Output (Factory Set) 24V DC Transmitter Supply	0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC, (Single Output or Dual Output) (Factory Set)
Accuracy	±0.2% of Full Scale		
Supply	100 - 270V AC/DC (SMPS), 50/60Hz **or** 24V DC (Factory Set)		



Model	MI-631T / MI-632T	MI-631P / MI-532P
Dimension (HxWxD)mm	76 x 28 x 85 / 76 x 28 x 85	76 x 28 x 85 / 100 x 17.5 x 115
Panel Cutout (mm)	Din Rail Mounting	Din Rail Mounting
INPUT Sensor	J / K Type	PT-100 2 Wire or 3 Wire
OUTPUT	0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC (Single or Dual Output) (Factory set)	
Accuracy	±1% of Full Scale	±0.25% of Full Scale
Supply	100 - 270V AC/DC (SMPS), 50/60Hz **or** 24V AC/DC (Factory Set)	





		CTR-63 / CTR-632	VTR-63 / VTR-632
Model		CTR-63 / CTR-632	VTR-63 / VTR-632
Dimension (HxWxD)mm		76 x 28 x 85	76 x 28 x 85
Mounting		Din Rail Mounting	Din Rail Mounting
INPUT		0 to 5A AC, 0 to 1A AC (Factory Set)	AC Voltage
OUTPUT		0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC (Single or Dual Output) (Factory Set)	0 - 20mA DC / 4 - 20mA DC / 0 - 10V DC (Single or Dual Output) (Factory Set)
Accuracy		±0.2% of Full Scale	
Supply		100 - 270V AC/DC (SMPS), 50/60Hz **or** 24V AC/DC (Factory Set)	

Loop Powered Transmitter





		LPT-45	LPT-63
Model		LPT-45	LPT-63
Dimension (HxWxD)mm		Diameter : 45mm	76 x 28 x 85
Panel Cutout (mm)		Head Mounting	Din Rail Mounting
INPUT	Input	PT-100 3 Wire / J / K (Factory Set)	
	Range	**PT-100** : 0 to 100 / 0 to 200 / 0 to 300 / 0 to 400 (Configurable) / Fix Range	Fix Range
OUTPUT		4 - 20mA DC Signal (2 Wire System)	
Supply		24V DC Loop Powered	

Process Control Instruments

Fault Annunciator

Upto 10 Fault Inputs & 3 Outputs

Touch Screen





PC INTERFACE SOFTWARE

Model	**FLT L16**
Dimension (HxWxD)mm	96 x 96 x 54
Panel Cutout (mm)	92 x 92
INPUT	16 Input potential free contact
OUTPUT	2 Relay 1C/O for Audio alarm & Machine Trip & RS 485 Modbus
Supply	100 - 270V AC/DC, 50/60Hz (Factory Set)
Key Features	Fault Type NO or NC Configurable, Last 5 fault history with RTC, Individual Faultwise history with RTC

Dual Process Indicator





Model		**DPI-122**	**DPI-1824**
Dimension (HxWxD)mm		96 x 96 x 54	96 x 96 x 54
Panel Cutout (mm)		92 x 92	92 x 92
INPUT	**Input 1 & 2**	PT-100 3 Wire / 4 - 20mA DC / 0 - 20mA DC / 0 - 10V DC (Any two factory set)	J / K / PT-100 2 Wire or 3 Wire 0 - 10V DC / 4 - 20mA DC / 0 - 20mA DC (Configurable)
	Range	-999 to 9999 For Analog I/P, **PT-100** (0.0°C - 400.0°C)	-999 to 9999 for Analog Input **J** (0°C to 600°C) , **K** (0°C to 1200°C), **PT-100 2 Wire or 3 Wire** (-99°C to 400°C, -99.9°C to 400.0°C) For Temperature Sensor
OUTPUT		1 Relay / 2 Relay (Optional) 24V DC Transmitter Supply@30mA (Optional) RS-485 Modbus (Optional)	4 Relay + 2 Retransmission + 24V DC Transmitter@30mA DC
Control Action		ON - OFF	
Accuracy		±1% of Full Scale ±1 Digit	
Supply		100 - 270V AC (SMPS), 50/60Hz	
Note		RS-485 Modbus Optional in DPI-122	

Process Control Instruments

Process Indicators







	Model	**PI-38**	**PI-21**	**PI-41**
	Dimension (HxWxD)mm	48 x 96 x 29	72 x 72 x 36	48 x 48 x 46
	Panel Cutout (mm)	46 x 92	68 x 68	45 x 45
INPUT	Input	0 - 10V DC / 0 - 20mA DC / 4 - 20mA DC (Configurable)		
	Range	-999 to 9999 for **Analog Input**		
	Display Resolution	0.000 / 00.00 / 000.0 / 0000 (Configurable , For Analog Input)		
	Features	Correction Factor , Offset , Filtration Rate , Reverse Scaling		
	Supply	100 - 270V AC (SMPS), 50/60Hz		

Process Controllers







	Model	**PIC-1101**	**PIC-38**	**PIC-4202**
	Dimension (HxWxD)mm	96 x 96 x 54	48 x 96 x 68	48 x 48 x 95
	Panel Cutout (mm)	92 x 92	46 x 92	45 x 45
INPUT	Input	0 to 10V DC / 4 to 20mA DC / 0 to 20mA DC (Configurable)		
	Range	-999 to 9999 (Configurable)		
OUTPUT	Output 1	1 Relay (By Default)		2 Relay (By Default)
	Output 2	2 Relay (Optional)		
	Output 3	24V DC Transmitter Supply@30mA (By Default)		24V DC Transmitter Supply@30mA
	Output 4	4 to 20mA / 0 to 20mA DC Retransmission Output (Factory Set) (Optional)		NA
	Output 5	RS-485 Modbus (Optional)		
	Operating Mode	High / Low / Inband / Outband / Absolute Low / Absolute Outband Alarm (configurable)		
	Accuracy	±1% of Full Scale ±1 Digit		
	Supply	100 - 270V AC (SMPS), 50/60Hz		

Temperature Controllers

PID Temperature Controller with Built in Ampere Indication



	Model	**PID-2303-1C/3C (With CT Module)**	**PID-4203-1C (With CT Module)**
	Dimension (HxWxD)mm	72 x 72 x 85	48 x 48 x 111
	Panel Cutout (mm)	68 x 68	45 x 45
INPUT	**Input**	J / K (Configurable) or PT-100 (Factory Set) + CT Input	J / K/PT-100 (Configurable) + CT Input
	Range	**J** (0°C to 400°C), **K**(0°C to 500°C)	**J** (0°C to 600°C), **K**(0°C to 1200°C) **PT-100 2 Wire or 3 Wire** (-99°C to 400°C , -99.9°C to 400.0°C)
CT INPUT		1 CT (60A DinRail Mounting) 3 CT (60A DinRail Mounting)	
OUTPUT		3 Relay 1st Relay Parallel SSR + 2nd O/P Relay or SSR + 3rd O/P Relay or SSR (3 Relay 1C/O 5A 230V AC Resistive Load) SSR Drive O/P 24V DC 20mA RS-485 Modbus Communication (Optional)	3 Relay 1C/O 5A, 230V AC (Resistive Load) or 3SSR Drive O/P 12V DC, 20mA (Factory Set) (3 Set Point) **(Heat + Cool + Alarm)**
	Control Action	PID / ON-OFF (Configurable)	
	Accuracy	±1% of Full Scale ±1 Digit	
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz	
	Note	**Analog 4-20mA DC or 0-10V DC Controlling Output Available (Optional) in PID 2303A-1C/3C** **1 CT Input & 1 Relay || SSR Option Available in PID 2301-1C**	

Motor Synchronizer



4 Channel

5 Channel

6 Channel

Model	**SN-126-4**
Dimension (HxWxD)mm	75 x 45 x 110
Panel Cutout (mm)	Din Rail Mounting
INPUT	3 Wire / POT Resistance
OUTPUT	1 Relay For Zeroing Facility, 0 - 10V DC (4/5/6) Channel
Supply	230V AC, ±20%, 50Hz

Temperature Controllers

Universal Programmable Controller

Auto Tune PID, RS-485 Modbus Facility







	Model	**PTC-1202A-M1**	**PTC-382A-M1**	**PTC-4202A-M1**
	Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 85	48 x 48 x 103
	Panel Cutout (mm)	92 x 92	46 x 92	45 x 45
INPUT	**Input**	J/K/PT-100 2 Wire or 3 Wire 0 -10V DC / 4 -20mA DC / 0 - 20mA DC (Configurable)		J/K/R/S/PT-100 2 Wire or 3 Wire 0 -10V DC / 4 -20mA DC / 0 - 20mA DC (Configurable)
	Range	**J** (0°C to 600°C), **K** (0°C to 1200°C), **R** (0°C to 1600°C), **S** (0°C to 1800°C), **PT-100 2 Wire or 3 Wire** (-99°C to 400°C, -99.9°C to 400.0°C) (-999 to 9999 for Analog Input)		
OUTPUT	**Output 1**	2 Relay 1C/O 5A,230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Factory Set)		
	Output 2	0 - 10V DC / 4 - 20mA DC (Factory Set) (Controlling / Retransmission Selection)		
	Communication	RS-485 Modbus Communication (Optional)		
	Control Action	PID / ON-OFF (Configurable)		PID / ON-OFF (Configurable)
	Accuracy	±1% of Full Scale ±1 Digit		±0.5% of Full Scale ±1 Digit
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz		100 - 270V AC/DC (SMPS), 50/60Hz





	Model	**PTC-352A-M1 (5 Digit)**		**UTC-4204A-M1**
	Dimension (HxWxD)mm	48 x 96 x 85		48 x 48 x 103
	Panel Cutout (mm)	46 x 92		45 x 45
INPUT	**Input**	J / J.1 / K / K.1 / R / S / E / N / T / B / C / L / U / PT-100 / PT.1 mV : -10 to 75 mV (Programmable Scale), V : 0 to 10V DC (Programmable Scale), Current : 0/4-20mA DC (Programmable Scale)		J/K/R/S/PT-100 2 Wire or 3 Wire
	Range	**J** (-200°C - 1000°C), **J.1** (-200.0°C - 1000.0°C), **K** (-200°C - 1500°C), **K.1** (-200.0°C - 1500.0°C), **R** (-100°C - 2000°C)**S** (-100°C - 2000°C), **E** (-200°C - 950°C), **N** (-200°C - 1350°C), **T** (-200°C - 500°C), **B** (100°C - 1850°C), **C** (0°C - 2300°C) **L** (-200°C - 1000°C), **U** (-200°C - 1000°C), **PT-100** (-200°C - 600°C), **PT.1** (-200.0°C - 600°C) (-19999 to 99999 Analog I/P)		**J** (0°C to 600°C), **K** (0°C to 1200°C), **R** (0°C to 1600°C), **S** (0°C to 1800°C), **PT-100 2 Wire or 3 Wire** (-99°C to 400°C, -99.9°C to 400.0°C)
OUTPUT	**Output 1**	2 Relay 1C/O 5A,230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Factory Set)		4 Relay 1C/O 5A,230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Factory Set)
	Output 2	0 - 10V DC / 4 - 20mA DC (Factory Set) (Controlling / Retransmission Selection)		
	Communication	RS-485 Modbus Communication (Optional)		
	Control Action	PID / ON-OFF (Configurable)		
	Accuracy	±0.25% of Full Scale ±1 Digit		±0.5% of Full Scale ±1 Digit
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz		

PTC Model Selection Guide

Sr. No.	Model	Display	Size (HxWxD)mm	Output 1	Output 2	Output 3	Output 4	Output RS-485
1	PTC-1202	LED	96 x 96 x 54	Relay	Relay	–	–	–
2	PTC-1202A	LED	96 x 96 x 54	4-20mA/0-10V DC	Relay	Relay	–	–
3	PTC-1202-M1	LED	96 x 96 x 54	Relay	Relay	–	–	✓
4	PTC-1202A-M1	LED	96 x 96 x 54	4-20mA/0-10V DC	Relay	Relay	–	✓
5	PTC-4202	LED	48 x 48 x 103	Relay	Relay	–	–	–
6	PTC-4202A	LED	48 x 48 x 103	4-20mA/0-10V DC	Relay	Relay	–	–
7	PTC-4202-M1	LED	48 x 48 x 103	Relay	Relay	–	–	✓
8	PTC-4202A-M1	LED	48 x 48 x 103	4-20mA/0-10V DC	Relay	Relay	–	✓
9	PTC-4203	LED	48 x 48 x 103	Relay	Relay	Relay	–	–
10	PTC-4203A	LED	48 x 48 x 103	4-20mA/0-10V DC	Relay	Relay	Relay	–
11	PTC-4203-M1	LED	48 x 48 x 103	Relay	Relay	Relay	–	✓
12	PTC-4203A-M1	LED	48 x 48 x 103	4-20mA/0-10V DC	Relay	Relay	Relay	✓
13	PTC-382	LED	48 x 96 x 85	Relay	Relay	–	–	–
14	PTC-382A	LED	48 x 96 x 85	4-20mA/0-10V DC	Relay	Relay	–	–
15	PTC-382-M1	LED	48 x 96 x 85	Relay	Relay	–	–	✓
16	PTC-382A-M1	LED	48 x 96 x 85	4-20mA/0-10V DC	Relay	Relay	–	✓
17	PTC-352	LED	48 x 96 x 85	Relay	Relay	–	–	–
18	PTC-352A	LED	48 x 96 x 85	4-20mA/0-10V DC	Relay	Relay	–	–
19	PTC-352-M1	LED	48 x 96 x 85	Relay	Relay	–	–	✓
20	PTC-352A-M1	LED	48 x 96 x 85	4-20mA/0-10V DC	Relay	Relay	–	✓

Note : Analog Output 0 - 10V DC or 4 - 20mA DC, any one fixed. Please confirm while order is placed.

Temperature Controllers

Humidity + Temperature Controller





	Model	**RHC-1202 (Humidity Controller)**	**MHT-1202 (Humidity + Temperature Controller)**
	Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 54
	Panel Cutout (mm)	92 x 92	92 x 92
INPUT	**Input**	Humidity Sensor	S-1 : PT-100 2 Wire or 3 Wire (RTD) S-2 : Humidity Sensor
	Range	0.0 to 100.0% RH	**PT-100 2 Wire or 3 Wire** (-50°C to 199.9°C) **Humidity Sensor** (0.0 to 100.0% RH)
OUTPUT		2 Relay 1C/O, 5A@230V AC (Resistive Load)	1st Relay for Temperature and 2nd Relay for Humidity RS-485 Modbus (Optional)
	Control Action	ON - OFF	
	Accuracy	±1% of Full Scale ±1 Digit	
	Supply	100 - 270V AC (SMPS), 50/60Hz	

9 Stage Profile Controller



	Model	**PRC-1202**
	Dimension (HxWxD)mm	96 x 96 x 110
	Panel Cutout (mm)	92 x 92
INPUT	**Input**	J / K / PT-100 2 Wire or 3 Wire (Factory Set)
	Range	**J** (0°C to 600°C), **K** (0°C to 1200°C),**PT-100 2 Wire or 3 Wire** (-99°C to 400°C , 0.0°C to 400.0°C)
OUTPUT		2 Relay 1C/O (set point), 2nd Relay for Alarm
	Control Action	ON - OFF
	Accuracy	±1% of Full Scale ±1 Digit
	Supply	100 - 270V AC (SMPS), 50/60Hz

Temperature Controllers

Temperature Controller - Universal

Double Display PID Controller - 3 Relay





	Model	**UTC-4203**	**UTC-3203**
	Dimension (HxWxD)mm	48 x 48 x 95	96 x 48 x 85
	Panel Cutout (mm)	45 x 45	92 x 46
INPUT	**Input**	J / K / PT-100 2 Wire or 3 Wire (Configurable)	
	Range	**J** (0°C to 600°C), **K**(0°C to 1200°C) **PT-100 2 Wire or 3 Wire** (-99°C to 400°C, -99.9°C to 400.0°C)	
OUTPUT		3 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (3 Set Point) (Factory Set)	
	Control Action	PID / TP / ON-OFF (Configurable)	
	Accuracy	±1% of Full Scale ±1 Digit	
	Supply	100 - 270V AC (SMPS), 50/60Hz	

Temperature Controllers

Single Display PID - Economy Range







	Model	**UTC-114**	**UTC-214**	**UTC-413P**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 45	48 x 48 x 70
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45
INPUT	**Input**	J / K / PT-100 2 Wire or 3 Wire (Configurable)		
	Range	**J** (0°C to 400°C or 0 to 600°C) , **K** (0°C to 1200°C) , **PT-100 2 Wire or 3 Wire** (-99.9 to 400.0°C)		**J** (0°C to 600°C) , **K** (0°C to 999°C) , **PT-100** (-99 to 400°C), **PT.1** (-19.9 to 99.9°C)
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) & SSR Drive O/P 12V DC, 30mA (Parallel to Relay) (1 set Point)		
	Control Action	PID / ON-OFF		
	Accuracy	±1% of Full Scale ±1 Digit		
	Supply	100 - 270V AC (SMPS), 50/60Hz		

Temperature Controllers

Dual Output & Autotune PID Controller - Full Featured



	Model	UTC-1202G+	UTC-2202G+	UTC-4202G+	UTC-3202
	Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 85	48 x 48 x 95	96 x 48 x 85
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45	92 x 46
INPUT	Input	Thermocouple : J / K / R / S / E / N / T / B, RTD : PT-100 2 Wire Or 3 Wire (configurable)			J / K / PT-100 2 Wire or 3 Wire (Configurable)
OUTPUT	Output 1	1 Relay 1C/O 5A, 230V AC (Resistive Load) Parallel SSR Drive O/P 12V DC, 20mA			
	Output 2	1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA			
	Operating Mode	Heat / Cool / Alarm			
	Alarm	High / Inband / Absolute Low / Absolute Outband / Outband / End Alarm / Low Alarm Outband + Soak Timer			
	Control Action	PID / TP / ON-OFF (Configurable)			
	Accuracy	±0.5% of Full Scale ±1 Digit			
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz			

Temperature Controllers

Single Output + Autotune PID Controller



	Model	UTC-121G+	UTC-221G+	UTC-421G+	UTC-321P
	Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 85	48 x 48 x 95	96 x 48 x 85
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45	92 x 46
INPUT	Input	Thermocouple : J / K / R / S / E / N / T / B, RTD : PT-100 2 Wire Or 3 Wire (configurable)			J / K / PT-100 2 Wire or 3 Wire (Configurable)
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) & SSR Drive O/P 12V DC, 20mA (Parallel to Relay) (1 Set Point)			
	Control Action	PID / ON-OFF (Configurable)			
	Accuracy	±0.5% of Full Scale ±1 Digit			
	Supply	100 - 270V AC/DC (SMPS), 50/60Hz			

Temperature Controllers

Double Display PID Controller







	Model	**UTC-121P**	**UTC-221P**	**UTC-421P**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 45	48 x 48 x 70
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45
INPUT	Input	J / K / PT-100 2 Wire or 3 Wire (Configurable)		
	Range	**J** (0°C to 600°C), **K** (0°C to 999°C), **PT-100 2 Wire or 3 Wire** (-99°C to 400°C) (-19.9°C to 99.9°C)		
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 30mA (Parallel to Relay) (1 Set Point)		
	Control Action	PID / TP / ON-OFF (Configurable)		
	Accuracy	±1% of Full Scale ±1 Digit		
	Supply	100 - 270V AC (SMPS), 50/60Hz		







	Model	**TC-421P**	**TC-442**	**TC-443**
	Dimension (HxWxD)mm	48 x 48 x 70	48 x 48 x 70	48 x 48 x 70
	Panel Cutout (mm)	45 x 45	45 x 45	45 x 45
INPUT	Input	J / K Type		
	Range	**J** (0°C to 600°C), **K** (0°C to 900°C),		
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resis. Load) & SSR Drive O/P 12V DC, 30mA (Parallel to Relay) (1 Set Point)	2 Output : (SSR Parallel to 1st Relay) + 1 Relay (2 Relay 1C/O 5A,230V AC (Resis. Load) & SSR Drive O/P 12V DC, 20mA)	3 Output : (SSR Parallel to 1st Relay) + 2 Relay (3 Relay 1C/O 5A,230V AC (Resis. Load) & SSR Drive O/P 12V DC, 20mA)
	Control Action	PID / ON-OFF (Configurable)		
	Accuracy	±1% of Full Scale ±1 Digit		
	Supply	100 - 270V AC (SMPS), 50/60Hz		

Temperature Controllers

Digital Temperature Controller

(Fixed Input)







		TC-19	TC-29	TC-49
Model		**TC-19**	**TC-29**	**TC-49**
Dimension (HxWxD)mm		96 x 96 x 43	72 x 72 x 45	48 x 48 x 70
Panel Cutout (mm)		92 x 92	68 x 68	45 x 45
INPUT	Input	J / K / R / S / PT-100 2 Wire or 3 Wire (Factory Set)		J / K (Configurable) or PT-100 2 Wire or 3 Wire (Factory set)
	Range	**J** (0°C to 400°C or 0°C to 600°C) , **K** (0°C to 1200°C), **PT-100 2 Wire or 3 Wire** (0°C to 400°C, -50.0°C to 200.0°C)		**J** (0°C to 600°C) , **K** (0°C to 999°C), **PT-100** (-50°C to 400°C)
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR (Factory Set)		1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Parallel to Relay)
Control Action		TP / ON-OFF (Configurable)		
Accuracy		±1% of Full Scale ±1 Digit		
Supply		100 - 270V AC (SMPS), 50/60Hz		

PID Temperature Controller

Economy Range







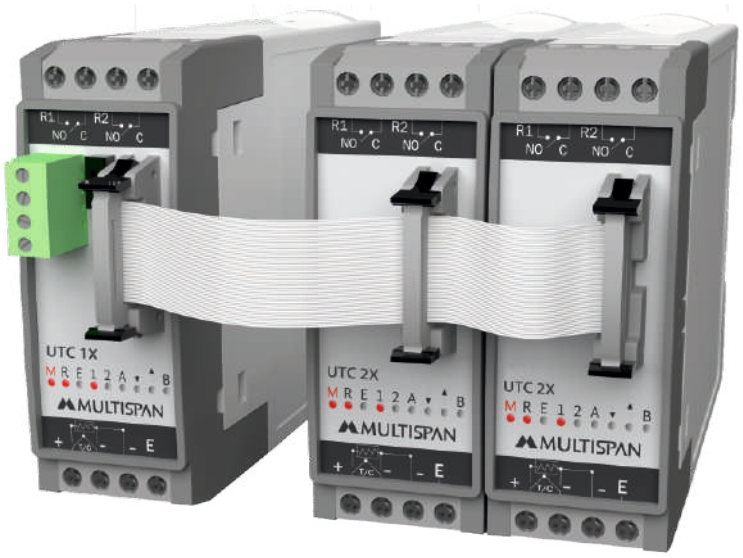
		TC-29P	TC-221P	TC-49P
Model		**TC-29P**	**TC-221P**	**TC-49P**
Dimension (HxWxD)mm		72 x 72 x 45	72 x 72 x 45	48 x 48 x 70
Panel Cutout (mm)		68 x 68	68 x 68	45 x 45
INPUT	Input	J / PT-100 2 Wire or 3 Wire (Factory Set)	J / K Type	J / K (Configurable) or PT-100 2 Wire or 3 Wire (Factory set)
	Range	**J** (0°C to 400°C) **PT-100 2 Wire or 3 Wire** (0°C to 400°C)	**J** (0°C to 600°C), **K** (0°C to 999°C)	**J** (0°C to 600°C) , **K** (0°C to 999°C), **PT-100** (0°C to 400°C)
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Parallel to Relay) (1 Set Point)		
Control Action		PID / ON-OFF (Configurable)		
Accuracy		±1% of Full Scale ±1 Digit		
Supply		100 to 270V AC (SMPS), 50/60Hz		

Temperature Controllers

PID Temperature Controller Modules

DINRAIL MOUNT

Master Module



Slave Module

		PTC-1X (Master Module) / PTC-2X (Slave Module)	UTC-1X (Master Module) / UTC-2X (Slave Module)
Model			
Dimension (HxWxD)mm		76 x 28 x 105	76 x 28 x 105
Panel Cutout (mm)		Din Rail Mounting	Din Rail Mounting
INPUT	Input	J / J.1 / K / K.1 / R / S / E / N / T / B / C / L / U / PT-100 / PT.1 0-10V DC/1-5V DC/0-20mA DC/4-20mA DC (Configurable)	J / K/PT-100 (Configurable)
	Range	**J** (0°C - 800°C), **J.1** (0.0°C - 800.0°C), **K** (0°C - 1200°C), **K.1** (0.0°C - 950.0°C), **R** (0°C - 1800°C)**S** (0°C - 1850°C), **E** (0°C - 650°C), **N** (0°C - 1350°C), **T** (0°C - 400°C), **B** (150°C - 1800°C), **C** (0°C - 2350°C) **L** (0°C - 800°C), **U** (0°C - 800°C), **PT-100** (-100°C - 400°C), **PT.1** (-100.0°C - 400.0°C), (-1999 to 9999 Analog I/P)	**J** (0°C to 600°C), **K** (0°C to 1200°C), **PT-100** (-99°C to 400°C, -99.0°C to 400.0°C)
OUTPUT		2 Output : Relay 5A, 230V AC (Resistive Load) **or** SSR 24V DC, 20mA 4-20mA DC / 0-10V DC Output Available in PTC-1XA/2XA (Upcoming Model)	
Control Action		PID / TP / ON-OFF (Configurable)	
Accuracy		±0.5% of Full Scale	
Supply		24V DC (For Master Module)	

Features

MODBUS RS-485 Communication for HMI Indication

Connection Upto 1 Master + 7 Slave Modules

Model Selection Guide

Sr. No.	Model	Module	Input	Output 1	Output 2
1	TC-1X	Master	J, K Selectable	Relay Parallel SSR	–
2	TC-2X	Slave			
3	UTC-1X	Master	J, K, PT-100 Selectable	Relay	Relay
4	UTC-2X	Slave		Relay	Relay
5	UTC-1S	Master		SSR	Relay
6	UTC-2S	Slave		SSR	Relay
7	UTC-1SS	Master		SSR	SSR
8	UTC-2SS	Slave		SSR	SSR
9	PTC-1X	Master	J / J.1 / K / K.1 / R / S / E / N / T / B / C / L / U / PT-100 / PT.1 0-10V DC/1-5V DC/ 0-20mA DC/4-20mA DC (Configurable)	Relay	Relay
10	PTC-2X	Slave		Relay	Relay
11	PTC-1XA	Master		Analog O/P	Relay
12	PTC-2XA	Slave		Analog O/P	Relay
13	PTC-1XAS	Master		Analog O/P	SSR
14	PTC-2XAS	Slave		Analog O/P	SSR

A brand by MULTISPAN

Cooling Controller





		CC-510	CC-524
Model		CC-510	CC-524
Dimension (HxWxD)mm		37 x 78 x 70	37 x 78 x 70
Panel Cutout (mm)		30 x 71	30 x 71
INPUT	Input	NTC (Thermistor)	2 NTC (Thermistor) + Digital Input
	Range	-50°C to 99.9°C	-50.0°C to 99.9°C
OUTPUT		1 Relay 1C/O, 10A@230V AC (Resistive Load) (With Defrost Facility)	3 Relay for (Compressor + Fan + Defrost)
Control Action		ON - OFF	
Supply		230V AC ±20%, 50Hz / 24V DC / 12V DC (Factory Set)	





		CC-548	CC-521
Model		CC-548	CC-521
Dimension (HxWxD)mm		37 x 78 x 70	37 x 78 x 70
Panel Cutout (mm)		30 x 71	30 x 71
INPUT	Input	NTC (Thermistor) & Door Input	NTC (Thermistor)
	Range	-50.0°C to 99.9°C	-50.0°C to 99.9°C
OUTPUT		2 Relay, 1st Relay (NO-C) 20A for Compressor 2nd Relay (NO-C-NC) 5A for Alarm	2 Relay, 1st Relay (NO-C-NC) 10A for Compressor 2nd Relay (NO-C-NC) 10A for Heater
Control Action		ON - OFF (Cooling Mode)	ON - OFF (Cooling Mode)
Supply		230V AC ±20%, 50Hz / 24V DC / 12V DC (Factory Set)	230V AC ±20%, 50Hz / 24V DC / 12V DC (Factory Set)



	Model	MHC-512
	Dimension (HxWxD)mm	37 x 78 x 70
	Panel Cutout (mm)	30 x 71
INPUT	Input	Humidity Sensor
	Range	0.0 to 100.0% RH
OUTPUT		2Relay 1C/O, 10A @230V AC (Resistive Load)
	Control Action	ON - OFF
	Accuracy	±1% of Full Scale
	Supply	230V AC ±20%, 50Hz / 24V DC / 12V DC (Factory Set)

Cryo Model Selection Guide

Sr. No.	Model	Size (HxWxD)mm	Input	Output 1	Output 2
1	CC-510	37 x 78 x 70	NTC (Thermistor)	Relay 10A (1C/O)	-
2	CC-520	37 x 78 x 78	NTC (Thermistor)	Relay 20A (1C/O)	-
3	CC-512	37 x 78 x 70	NTC (Thermistor)	Relay for Compressor 1C/O 10A	Relay for Alarm 1C/O 10A
4	CC-515	37 x 78 x 70	NTC (Thermistor)	Relay for Compressor 1C/O 10A	Buzzer (12V DC)
5	CC-552	37 x 78 x 70	NTC (Thermistor)	Relay for Compressor 1C/O 10A	Relay for Compressor 1C/O 10A
6	CC-521	37 x 78 x 70	NTC (Thermistor)	Relay for Compressor 1C/O 10A	Relay for Heater 1C/O 10A
7	CC-522	37 x 78 x 70	NTC (Thermistor)	Relay for Compressor (NO-C) 20A	Relay for Alarm 1C/O 5A
8	CC-525	37 x 78 x 70	NTC (Thermistor)	Relay for Compressor (NO-C) 20A	Buzzer (12V DC)
9	CC-548	37 x 78 x 70	NTC (Thermistor) + Door Input	Relay for Compressor (NO-C) 20A	Relay for Alarm 1C/O 5A
10	CC-524	37 x 78 x 70	2 NTC (Thermistor) + Digital Input	3 Relay 10A (Compressor + Fan + Defrost)	

Touch Key AVAILABLE

Programmable Timers

UP to 12 Channel Sequential Timer

With Cascading Facility For 8 + 8 Outputs

4,8 and 12 Channel Sequential Timer





	Model	**SQT-1044 / SQT-1244 / SQT-1022** Sequential Timer	**CMT-1022 / CMT-1044** Combination Timer
	Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 54
	Panel Cutout (mm)	92 x 92	92 x 92
INPUT	**Range**	99.99 Sec / 999.9 Sec / 99.59 Min / 99.59 Hrs / 999.9 Hrs / 999.9 Min (Configurable)	
OUTPUT		4 Relay / 8 Relay / 12 Relay 1C/O 5A,230V AC (Resistive Load) or SSR Drive O/P 24V DC, 20mA Output (Any One Factory Set)	
	Operating Mode	Delayed ON / Delayed OFF / Cycle Mode (Configurable)	
	Count Direction	UP / Down (Configurable)	
	Memory	YES / NO (Configurable)	
	Reset	Front & Back Both Reset Available	
	Supply	100 - 270V AC (SMPS), 50/60Hz	
	Note	**Cascading facility available in SQT-1044 (8 Relay) Sequential timer up to 1 + 3 parallel** **SSR output is available on request** **Cascading facility available on request in SQT-1022**	

Time Switch



Model	**TCS-35**
Dimension (HxWxD)mm	90 x 35 x 62
Panel Cutout (mm)	DIN Rail Mount
Time Format	12 Hr (AM / PM) and 24 Hr Selection
Output	1 Relay 1C/O 16A, 230V AC (Resistive Load)
Program	ON Time / OFF Time (50 Steps), 24 Days Holiday Setting
Supply	230V AC ±10%, 50Hz

Programmable Timers

Universal Range - 1 Relay Output









	Model	**UTR-1033**	**UTR-2033**	**UTR-433**	**UTR-413**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 45	48 x 48 x 70	48 x 48 x 70
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45	45 x 45
INPUT	**Start Pulse**	Micro Switch / Limit Switch / Proximity (Configurable)			
	Range	999 / 99.9 / 9.99 Sec / Min / Hrs (Configurable)			
OUTPUT		1 Relay 2C/O 5A,230V AC (Resistive Load)			
	Program	Delayed ON / Delayed OFF / Cycle Mode (Configurable)			
	Count Direction	UP / Down (Configurable)			
	Memory	YES / NO (Configurable)			
	Reset	Front & Back Both Reset Available			
	Supply	100 - 270V AC (SMPS), 50/60Hz			

Programmable Timer

Universal Timer - 2 Relay Output









	Model	**UTR-1244**	**UTR-2244**	**UTR-4244**	**CTU-4244** (Universal Timer + Counter)
	Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 45	48 x 48 x 70	48 x 48 x 70
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45	45 x 45
INPUT	**Start Pulse**	Micro Switch / Limit Switch / Proximity (Configurable)			
	Range	9999 / 999.9 / 99.99 Sec / Min / Hrs (Configurable)			
OUTPUT		2 Relay 1C/O 5A,230V AC (Resistive Load)			
	Program	Forward - Reverse Mode, Cyclic Mode, Sequential Mode, Combination Mode (Configurable)			**Timer:** ON Delay, Interval, Cyclic On first, Batch **Counter:** ON Delay, Interval, Cyclic On first, Batch Batch Available in 2nd Relay
	Count Direction	UP / Down (Configurable)			
	Memory	YES / NO (Configurable)			
	Reset	Front & Back Terminal Reset Available			
	Supply	100 - 270V AC (SMPS), 50/60Hz			

Programmable Timers

Time Totalizer









Model	DTT-1000	DTT-2000	DTT-3000	DTT-56G	DTT-5000
Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 36	48 x 96 x 29	38 x 62 x 63	36 x 77 x 69
Panel Cutout (mm)	92 x 92	68 x 68	46 x 92	31 x 54	30 x 71
INPUT Input	Micro Switch / Limit Switch / Proximity Switch / 230V AC (Factory Set)				
Range	1) 9999.59 hr/min. 2) 9999.59 min/sec. 3) 99999.9 sec. 4) 999999 sec. 5) 9999.99 sec. 6) 99999.9 min. 7) 999999 min. 99999.9 hr. 9) 999999 hr (Configurable)				
Supply	230V AC ±20%, 50Hz				

Digital Presetable Timer

Multi Range - Thumbwheel Setting









Model	MDT-1310F	MDT-2312F	MDT-4310N	UTR-35
Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 45	48 x 48 x 70	90 x 35 x 61.5
Panel Cutout (mm)	92 x 92	68 x 68	45 x 45	Din Rail Mounting
INPUT	Start Pulse Micro Switch			
Range	999, 99.9, 9.99 Hour / Min / Sec (Configurable)			
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)		1 Relay 1C/O 5A, 230V AC (Resistive Load)	1 Relay 2C/O 5A, 230V AC (Resistive Load)
Operating Mode	Delayed ON / Delayed OFF (Configurable)			Delayed ON / Delayed OFF / Cycle Mode (Configurable)
Counting Direction	UP / Down (Configurable)			
Memory	YES / NO (Configurable)			
Supply	230V AC ±20%, 50Hz	100 - 270V AC (SMPS), 50/60Hz		

Programmable Counters

Photo Electric Controllers

For Fully Pneumatic Packaging Machine

	Model	**PFLC-68**
	Dimension (HxWxD)mm	96 x 96 x 54
	Panel Cutout (mm)	92 x 92
INPUT	**Input 1**	Start Pulse
	Input 2	Color Mark Sensor (NPN/PNP Selection)
	Input 3	Unwinding Start
	Input 4	Unwinding Stop
OUTPUT	**Output 1**	Horizontal seal
	Output 2	Vertical seal
	Output 3	Cutter
	Output 4	Nitrogen Fill
	Output 5	Batch Cutter
	Output 6	Batch Coding
	Output 7	Auger
	Output 8	Unwinding
	Memory	Non - Volatile Memory
	Reset	Manual Reset
	Supply	24V DC



Touch Screen



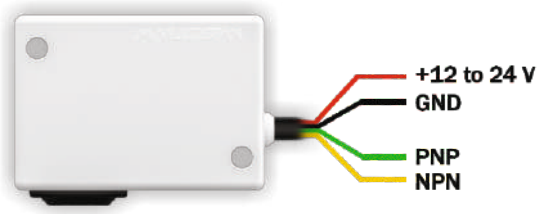
	Model	**MPC-1065**
	Dimension (HxWxD)mm	96 x 96 x 54
	Panel Cutout (mm)	92 x 92
INPUT	**Input 1**	2 NPN/PNP Proximity Switch (Factory Set)
	Input 2	Color Mark Sensor (NPN/PNP Selection)
OUTPUT	**Output 1**	Horizontal seal
	Output 2	Nitrogen Fill
	Output 3	Batch Cutter
	Output 4	Unwinding
	Memory	Non - Volatile Memory
	Reset	Manual Reset
	Supply	24V DC

Programmable Timers

Color Mark Sensor

For Packaging Machine & Printing Industries





Model	CMS-5X
Power Supply	12 - 24V DC
Current Consumption	35mA max.@ 24V DC
Output	NPN / PNP Output
Output Current	25mA max
Response Time	2 Millisecond
Indications	LED 1 : Mark LED (Green) LED 2 : Output LED (Red) LED 3 : Background LED (Yellow)
Push Buttons	Button 1 : Mark Button Button 2 : Background Button
Minimum Mark Output Relay	20ms
Operating Distance	10mm - 15mm
Minimum Spot Diameter	5mm
Emission type	RED (630nm) GREEN (520nm) BLUE (465nm)
Ambient Light Rejection	Yes
Connection	Shielded 4 Wire Cable

Programmable Counters

Photo Electric Controllers







		MPC-1061D	MVC-72N 5A	MVC-7210 10A
	Model	**MPC-1061D**	**MVC-72N**	**MVC-7210**
	Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 45	72 x 72 x 97
	Panel Cutout (mm)	92 x 92	68 x 68	68 x 68
DISPLAY		Graphical LCD		
INPUT	**Input 1**	1 or 2 NPN Proximity Switch (Factory Set)	NPN / PNP Proximity Switch	NPN / PNP Proximity Switch
	Input 2	Color Mark Sensor		
OUTPUT		2 Output (Forward & Reverse Winding), 2A, 110V AC / 230V AC + Buzzer Output	0 - 110V AC Corresponding to percentage input	0 - 110V AC Corresponding to percentage input
	Memory	Non - Volatile Memory		
	Reset	Manual Reset		
	Supply	For MPC 1061D 110V AC, ±20%, 50Hz For MPC 1062D 230V AC, ±20%, 50Hz	230V AC ±20%, 50Hz	230V AC ±20%, 50Hz
	Note		**Vibrator load should not be more than 5Amps (Resistive Load)** **Range : 1 to 99%**	**Vibrator load should not be more than 10Amps (Resistive Load)** **Range : 1 to 99%**

Programmable Counters

Digital Batch Counter







	Model	**BC-1046D**	**BC-2046**	**BC-445**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 45	48 x 48 x 70
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45
INPUT	Input	NPN/PNP Proximity Switch / Micro Switch (Configurable) or 230V AC Pulse (Factory Set)		
	Range	Upper Display Range : 0-999999 Count Lower Display Range : 0-9999		Upper Display Range : 0-99999 Count Lower Display Range : 0-9999
OUTPUT		1 Relay + Buzzer		
		Non - Volatile Memory		
	Reset	Auto Reset / Manual Reset / Back Reset		
	Supply	230V AC ±20%, 50Hz	100 - 270V AC (SMPS), 50/60Hz	
	Note	**RS-485 Modbus Communication is available as per request in 96 x 96 Size**		

Digital Length Counter

With Proximity / Single & Dual Channel Encoder Input









	Model	**LC-3086**	**LC-1046D**	**LC-2046**	**LC-445**
	Dimension (HxWxD)mm	48 x 96 x 85	96 x 96 x 43	72 x 72 x 45	48 x 48 x 70
	Panel Cutout (mm)	46 x 92	92 x 92	68 x 68	45 x 45
INPUT	Input	NPN/PNP Proximity Switch (Configurable) or Encoder (Factory Set)			
	Range	00000.000 to 99999999	0-99999.9 / 0-999999 / 0-9999.99 / 0-999.999 Meter (Configurable)		
OUTPUT		1 Relay 1C/O, 5A @230V AC (Resistive Load)			
	MPM Range	999.999 MPM (DP Auto Shift)	999.9 MPM (DP Auto Shift)		
	Diameter	0-9999.99 MM			
	Memory	Non - Volatile Memory			
	Reset	Auto Reset / Manual reset facility & front and back reset			
	Supply	100 - 270V AC (SMPS),	230V AC, ±20% 50Hz	100 - 270V AC (SMPS), 50/60Hz	
	Note	**In LC-445 if back reset option is required, then input would be proximity sensor (NPN or PNP) (Factory Set) RS-485 Modbus Communication is available as per request in 96x96 Size (LC-1048-M1), 72x72 Size (LC-2046-M1) 2 Relay Output available as per request in 72x72 size (MMC-2046) , 96x96 size MMC-1000**			

Programmable Counters

Digital Programmable Counter







	Model	**PC-1044**	**PC-2044**	**PC-444**
	Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 45	48 x 48 x 70
	Panel Cutout (mm)	92 x 92	68 x 68	45 x 45
INPUT	Input	NPN/PNP Proximity Switch / Micro Switch (Configurable) or 230V AC Pulse or Encoder (Factory Set)		
	Range	0 - 9999 Count		
OUTPUT		1 Relay 1C/O 5A,230V AC (Resistive Load)		
	Count Direction	UP / Down (Configurable)		
	Memory	YES / NO (Configurable)		
	Reset	Auto Reset / Manual Reset / Reset at back		
	Supply	230V AC ±20%,50Hz	100 - 270V AC (SMPS), 50/60Hz	
	Note	**Dual Set Point , Scale factor & 2 Relay Option Available on customer request in PC-1044,2044**		

Digital Presetable Counter

With Thumbwheel Setting





	Model	**TWS-1400F**	**TWS-2500F**
	Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 45
	Panel Cutout (mm)	92 x 92	68 x 68
INPUT	Input	NPN/PNP Proximity Switch / Micro Switch (Configurable) or 230V AC Pulse or Encoder (Factory Set)	
	Range	0 to 9999	
OUTPUT		1 Relay 2C/O 5A,230V AC (Resistive Load)	
	Operating Mode	Delayed ON / Delayed OFF (Configurable)	
	Count Direction	UP / Down (Configurable)	
	Memory	YES / NO (Configurable)	
	Speed Selection	Medium (UP to 5000 rpm) , Fast (UP to 15000 rpm) (Configurable)	
	Supply	100 - 270V AC (SMPS), 50/60Hz	

Programmable Counters

Digital RPM Indicator



	Model	**RPM-1201**	**RPM-2201**	**RPM-3201**	**RPM-4201**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 36	48 x 96 x 29	48 x 48 x 70
	Panel Cutout (mm)	92 x 92	68 x 68	46 x 92	45 x 45
INPUT	Input	NPN/PNP Proximity Switch (Configurable)			
	Range	4 - 5000 RPM			
	Supply	230V AC ±20%, 50Hz	100 - 270V AC (SMPS), 50/60Hz		
	Note	**RS-485 Modbus Communication is available as per request in 48 x 96 Size (RPM 308-M1)**			

Digital Count Totalizer



	Model	**CT-1000**	**CT-2000**	**CT-3000**	**CT-5000**	**CT-56G**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 36	48 x 96 x 29	36 x 77 x 69	38 x 62 x 63
	Panel Cutout (mm)	92 x 92	68 x 68	46 x 92	30 x 71	31 x 54
INPUT	Input	NPN/PNP Proximity Switch / Micro Switch (Configurable) or 230V AC Pulse or Encoder (Any one factory set)				
	Range	0 to 999999 Count				
	Memory	Non - Volatile Memory				
	Reset	Manual reset, Back reset (Optional)				
	Supply	230V AC ±20%, 50Hz	100 - 270V AC (SMPS), 50/60Hz			230V AC ±20%, 50Hz

Programmable Counters

Speed / Ratio Indicator





	Model	**RPM-1044**	**RPM-2044**
	Dimension (HxWxD)mm	96 x 96 x 54	72 x 72 x 45
	Panel Cutout (mm)	92 x 92	68 x 68
INPUT	Input	NPN/PNP Proximity Switch (Configurable), Proximity Input (Stretch Ratio Indicator)	
	Range	0 to 9999 RPM	
OUTPUT		1 Relay on RPM (Retransmission Output 4-20mA DC / 0-10V DC - 96x96 Size) (Factory Set) (Optional)	
	Accuracy	±1% of Full Scale	
	Supply	100 - 270V AC (SMPS), 50/60Hz	

Programmable Timer

Counter + RPM





	Model	**MMC-1046RD**	**MMC-2046R**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 45
	Panel Cutout (mm)	92 x 92	68 x 68
INPUT	Input	NPN/PNP Proximity Switch / Micro Switch (Configurable) / 230V AC Pulse (Factory Set)	
	Range	Upper Display Range : 0 - 999999 Count, Lower Display Range : 0 - 9999 RPM	
OUTPUT		1 Relay 1C/O 5A,230V AC (Resistive Load)	
	Memory	Non - Volatile Memory	
	Reset	Auto Reset / Manual Reset / Back Reset	
	Supply	230V AC ±20%, 50Hz	100 - 270V AC (SMPS), 50/60Hz

Protection Relays

Automatic Power Factor Controller

Intelligent PF Correction Relay



6 / 8 / 12 / 14 / 16 Steps

Model	APFC 9608	APFC 108	APFC 112
Dimension (HxWxD)mm	96 x 96 x 54	144 x 144 x 80	144 x 144 x 80
Panel Cutout mm	92 x 92	138 x 138	138 x 138
INPUT Current	10mA to 5Amp AC (Without CT) (CT Ratio Selectable 5/5A to 9995/5A) For Main CT & Capacitor CT	10mA to 5Amp AC (Without CT) (CT Ratio Selectable 5/5A AC to 9999/5A) For Main CT & Capacitor CT	
Controlling PF Range	+1.000 (Lag) To -1.000 (Lead)	+1.000 (Lag) To -1.000 (Lead)	
Min. Operation Current	Selectable Range 1mA to 500mA (By Default 30mA)	Selectable Range 1mA to 500mA (By Default 30mA)	
Input Volatge	30 to 320V AC (P-N) CAT III	300 to 520V AC (P-P) CAT III	
SENSING	Single CT Based Sensing True RMS, Scan Time 1Sec. to 999.9 Sec.	Scan Time 1 Sec. to 999.9 Sec.	
OUTPUT	NO-C 8 Relay for Capacitor Bank + 1 Alarm	NO-C 8 Relay for capacitor bank + 1 Alarm or 1 Fan Relay	NO-C 12 Relay for capacitor bank + 1 Alarm Relay 1 Fan Relay
USER PROGRAMM. FUNCTIONS	Set PF, Relay Switch ON Time, Control Modes, Mains Primary CT Ratio, Relay Steps to be used, Capacitor Primary CT Ratio (To be used if actual capacitor value is to be measured at any given time)	Main CT Ratio, Capacitor CT Ratio, Minimum Operating Current, Scan Time, Programmable KVAR Hysteresis, Capacitor bank sensing method	
Control Mode	KVAR/ Intel/ Manual	KVAR/ Intel/ Manual	
Accuracy	Class 0.5	Class 0.5	
Supply	100 to 270V AC	300 to 520V AC (P-P) CAT III	

Protection Relays

Earth Leakage Relay









		ELR-19N	ELR-63	EFR-63 - Earth Fault Relay
Model				
Dimension (HxWxD)mm		96 x 96 x 54	76 x 28 x 85	76 x 28 x 85
Panel Cutout mm		92 x 92	Din Rail Mounting	Din Rail Mounting
INPUT	Input Signal	30mA to 30.0Amp AC Thru. External CBCT		Current : 5Amp From CBCT
	Range	30mA to 30A AC	30mA to 30.0A AC	10% to 100% of CT rating
OUTPUT		2 Relay (NO-C-NC) 5A, 230V AC Resistive Load	1 Relay (NO-C) 5A, 230V AC Resistive Load	1 Relay (5A, 230V AC Resistive Load) Earth Fault Current
Accuracy		Class 0.5		
Supply		100 to 270V AC/DC (SMPS), 50/60Hz		
Note		**RS-485 Modbus is available in ELR-19N as per request, CBCT available as per required inner diameter**		

Inbuilt CBCT







		ECT 35 / ECT 70D	ELR-35	ER-2K
Model				
Dimension (HxWxD)mm		76 x 40 x 105 / 115 x 42 x 141	90 x 35 x 61.5	90 X 35 X 62.5
Panel Cutout mm		Din Rail Mounting	Din Rail Mounting	Din Rail Mounting
INPUT	Range	30mA to 3A AC	30mA to 30A AC	30mA to 30A AC
OUTPUT		1 Relay (NO-C-NC) 5A, 230V AC Resistive Load	2 Relay, 1st Relay (NO-C-NC) & 2nd Relay (NO-C) 5A,230V (Resistive Load)	1 Relay (NO-C-NC) 5A, 230V AC Resistive Load
Reset & Test		Front Test & Reset Facility		
Accuracy		Class 0.5		
Supply		100 to 270V AC/DC (SMPS), 50/60Hz		

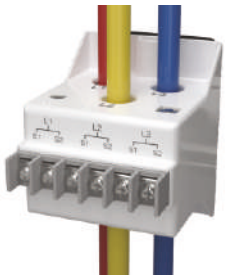
Protection Relays

Protection Device - 3 Phase



DINRAIL MOUNT





		MPD-192	MPD-152
Model		MPD-192	MPD-152
Dimension (HxWxD)mm		96 x 96 x 54	75 x 55 x 110
Panel Cutout mm		92 x 92	Din Rail Mounting
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire	
	Voltage	50 - 520V AC (L-L), 30 - 300V AC (L-N)	
	Current	100mA to 5A (CT Selection 5A - 6000A AC) (Additional Leakage Current Measurement thru CBCT in MPD-19EL)	
OUTPUT		1st Relay (NO-C-NC) 10A, 230V AC (Resistive Load) 2nd Relay (NO-C) 5A (With Simultaneous Actuation)	1 Relay (NO-C-NC) 10A, 230V AC (Resistive Load)
PARAMETER		Over Current, Under Current, Short Circuit, Lock Rotor Point, Earth Leakage (in MPD-19EL) Over Voltage, Under Voltage, Phase Sequence, Unbalance, Single Phase Preventor (SPP) Over Frequency, Under Frequency, Phase Loss, Neutral Loss	
Accuracy		Class 0.5	
Supply		100 to 270V AC/DC (SMPS), 50/60Hz	
Note		**Optional Features Available on request** RS 485 Modbus Earth Leakage in model MPD 19EL Earth Fault in model MPD 19EF External CT of 30A, 60A, 100A, 125A & 250A CBCT Available as per required Inner Diameter	

Current Controller



		CC-12
Model		CC-12
Dimension (HxWxD)mm		96 x 96 x 43
Panel Cutout mm		92 x 92
INPUT	Current	5A AC Direct (CT Ratio Selectable 5/5A to 4000/5A)
OUTPUT		1 Relay (NO-C-NC) 5A, 230V AC (Resistive Load)
Tripping Facility		High/ Low/ Inband/ Outband/ Absolute Low/ Absolute Outband Alarm (Configurable)
Accuracy		Class 0.5
Power Supply		100 to 270V AC/DC (SMPS), 50/60Hz
Note		**RS-485 Modbus is available on request** **2 Relay is available on request in CC-122**

Earth To Neutral Voltage



		EN-19N
Model		EN-19N
Dimension (HxWxD)mm		96 x 96 x 54
Panel Cutout mm		92 x 92
INPUT	Voltage	0 to 10 Voltage AC
OUTPUT		1 Relay (NO-C-NC) 5A, 230V AC (Resistive Load)
Parameter		Earth to Neutral Voltage Protection Relay
Power Supply		100 to 270V AC (SMPS), 50/60Hz
Note		**RS-485 Modbus available on request**

Protection Relays

Voltage Protection Relay





Model		**VMR-132**			**VMR-232**
Dimension (HxWxD)mm		96 x 96 x 43			72 x 72 x 45
Panel Cutout mm		92 x 92			68 x 68
INPUT	**Voltage**	50 to 520V AC (L-L), 30 to 300V AC (L-N)			
OUTPUT		1st Relay 5A, 230V AC (Resistive Load) 1st Relay 10A, 230V AC (Resistive Load) 2nd Relay (Optional)			
PARAMETER		Over Voltage Under Voltage	Over Frequency Under Frequency	Phase Loss Phase Sequence	Asymmetry
Supply		230V AC ±20%, 50Hz			50 to 550V AC,50/60Hz

DINRAIL MOUNT









Model		**VPR-35**	**VPR-33**	**VR-3K**	**VR-3KN**
Dimension (HxWxD)mm		90 x 35 x 61.5	90 x 35 x 61.5	90 x 35 x 62.5	90 x 35 x 62.5
Mounting		Din Rail Mounting			
INPUT	**Signal**	3Ø4 Wire / 3Ø3 Wire / 1Ø2 Wire	3Ø4 Wire / 3Ø3 Wire	3Ø3 Wire	3Ø4 Wire
	Voltage	50 to 330V AC (L-N), 85 to 550V AC (L-L)	160 to 300V AC (L-N), 260 to 520V AC (L-L)	280 to 520V AC (L-L)	160 to 300V AC (L-N)
OUTPUT		2 Relay (NO-C-NC) 230V AC (Resistive Load)		1 Relay 2C/O 5A, 230V AC (Resistive Load)	1 Relay 2C/O 5A, 230V AC (Resistive Load)
PARAMETER		Over Voltage Under Voltage Over Frequency Under Frequency Phase Loss Phase Sequence Asymmetry & Neutral Loss		Over Voltage Under Voltage Phase Asymmetry Phase Loss Phase Sequence	Over Voltage Under Voltage Phase Asymmetry Phase Loss Phase Sequence Neutral Loss
Accuracy		Class 1.0	Class 1.0		
Supply		100 to 270V AC/DC (SMPS)	No Power Supply to be given Separately		

Protection Relays

Current Protection Relay

DINRAIL MOUNT







Model	**CPR-35**	**CPR-35-1C**	**CR-3K**	**CPR-22 - 1CT**
Dimension (HxWxD)mm	90 x 35 x 61.5	90 x 35 x 61.5	90 x 35 x 62.5	90 x 22.5 x 72
Mounting	Din Rail Mounting			
INPUT **Signal**	3Ø3 Wire	1Ø2 Wire	3Ø3 Wire	1Ø2 Wire
Current	0.05 to 5Amp (CT Selection 5/5 To 999/5 A AC)		0.2 to 5A AC	0.3 to 5A AC
OUTPUT	1 Relay (NO-C-NC)		1 Relay 2C/O 5A, 230V AC (Resistive Load)	1 Relay 1C/O 5A, 230V AC (Resistive Load)
PARAMETER	Over Current Under Current Asymmetry Single Phase Preventer (SPP)	Over Current Under Current	Over Current Under Current Single Phase Preventor (SPP)	Over Current Under Current
Accuracy	Class 1.0			Class 1.0
Supply	100 - 270V AC/DC (SMPS), 50/60Hz			230V AC ±20%,50Hz

Overload Relay - Built in CT

DINRAIL MOUNT



1-10A | 10-30A | 10-60A | 50-100A | 30-60A

Model	**OLR 50100**
Dimension (HxWxD)mm	70 x 70.5 x 91
Mounting	Din Rail Mounting
INPUT	Input Current : 50A to 100A AC
OUTPUT	1 Relay 1C/O, 5A 230V AC (Resistive Load)
TRIPPING PARAMETER	Over Current SPP
POWER SUPPLY	230V AC,50Hz

Demand Controller

Power , Energy & Demand



Model		**DMR 162**
Dimension (HxWxD)mm		96 x 96 x 61.5
Panel Cutout mm		92 x 92
INPUT	**Signal**	3Ø4 Wire / 3Ø3 Wire /1Ø2 Wire
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)
	Current	Current : 5A to 9999A (Programmable), Secondary : 5A/1A (Programmable)
OUTPUT		2 Relay (NO-C), 7A, 250V AC (Resistive Load)
PARAMETER		Voltage - L-L, L-N & Average THD% - Current and Voltage WH - Import , Export & VAH Current - Phase, Average & Neutral Current Power - KW, KVA, KVAr (per phase and total) VArh - Import, Export Power Factor - Per Phase & Average Max Demand - KW, KVA, KVAr, Ampere Load Hour, No Load Hour, RPM
COMMUNICATION		RS-485 Modbus (Optional)
Accuracy		Class 0.5
Supply		100 to 300V AC, 130 to 300DC (SMPS) 50/60Hz, Approx 4VA

DC Voltage Protection Relay

Model		**VDC 35**
Dimension (HxWxD)mm		90 x 35 x 61.5
Mounting		Din Rail Mounting
INPUT	**Voltage**	18 to 70V DC, 70 to 300V DC (Factory Set)
OUTPUT		2 Relay (NO-C-NC) 230V AC (Resistive Load)
PARAMETER		Over Voltage Under Voltage
Accuracy		±1% of Full Range ±1 Count
Supply		No Power Supply to be given Separately



Din Rail Protection Relays

Voltage Protection Relay

DINRAIL MOUNT



Model	VPR-22U Voltage Protection Relay
Dimension (HxWxD)mm	90 x 22.5 x 63
Mounting	Din Rail Mounting
INPUT	Input Voltage : 280 to 520V AC (L-L), 3Ø3 Wire
OUTPUT	1 Relay, 5A, 230V AC (Resistive Load)
TRIPPING PARAMETER	Under Voltage Over Voltage Phase Asymmetry Phase Sequence Phase Loss
POWER SUPPLY	NO Power Supply to be given separately



Model	SPP-22 / V22-RYB Single Phase Preventor
Dimension (HxWxD)mm	90 x 22.5 x 59.5 / 90 x 22.5 x 62.5
Mounting	Din Rail Mounting
INPUT	Input Voltage : 280 to 520V AC (L-L), 3Ø3 Wire
OUTPUT	1 Relay 5A, 230V AC (Resistive Load)
TRIPPING PARAMETER	Phase Asymmetry Phase Sequence Phase Loss
POWER SUPPLY	NO Power Supply to be given separately

1M DIN Size



Model	VPR-17U Voltage Protection Relay
Dimension (HxWxD)mm	90 x 17.5 x 61
Mounting	Din Rail Mounting
INPUT	Input Voltage : 180 to 528V AC (L-L), 3Ø3 Wire
OUTPUT	1 Relay, 5A, 230V AC (Resistive Load)
TRIPPING PARAMETER	Under Voltage Over Voltage Phase Asymmetry Phase Sequence Phase Loss
POWER SUPPLY	NO Power Supply to be given separately

Din Rail Analog Timers

22 Timer Series



Model	**DT Series** **ON-OFF Delay Timer**
Dimension (HxWxD)mm	90 x 22.5 x 64
Mounting	Din Rail Mounting
INPUT **Range**	0 to 10 Sec (For DT-10S) 0 to 30 Sec (For DT-30S) 0 to 60 Sec (For DT-60S) 0 to 15 Min (For DT-15M) 0 to 30 Min (For DT-30M)
OUTPUT	1 Relay 1C/O, 5A 230V AC (Resistive Load)
POWER SUPPLY	230V AC ±20%, 50Hz / 415V AC (Factory Set)



Model	**DI-22U+** **ON-OFF Delay Timer (Universal Supply)**
Dimension (HxWxD)mm	90 x 22.5 x 63
Mounting	Din Rail Mounting
INPUT **Range**	0.5 Sec to 30 Hour
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)
FUNCTION	ON Delay, OFF Delay, Cycle ON, Cycle OFF
POWER SUPPLY	12V to 240V DC & 20V to 240V AC, 50/60Hz



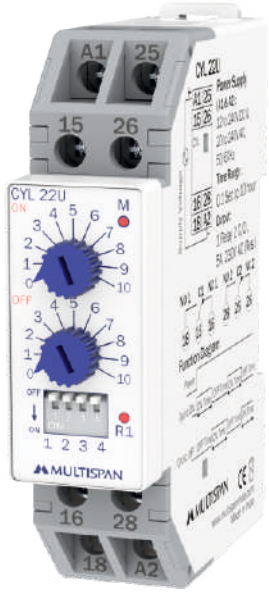
Model	**DI-22+** **Multi Range ON-OFF Delay Timer**
Dimension (HxWxD)mm	90 x 22.5 x 63
Mounting	Din Rail Mounting
INPUT **Range**	0.5 Sec to 10 Sec / Min / Hour
OUTPUT	1 Relay 1C/O 5A, 230V AC (Resistive Load)
FUNCTION	ON Delay, OFF Delay, Cycle ON, Cycle OFF
POWER SUPPLY	230V AC ±20%, 50Hz & 24V AC/DC

Din Rail Analog Timers

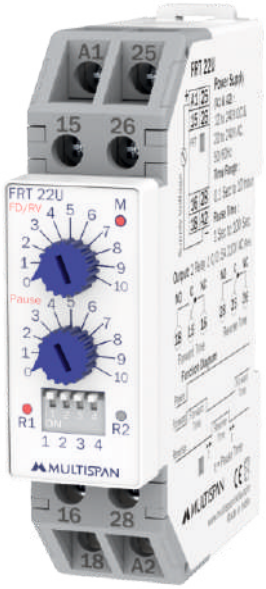
22 Timer Series



Model	**SDX-22** **Star Delta Timer**
Dimension (HxWxD)mm	90 x 22.5 x 64
Mounting	Din Rail Mounting
INPUT — **Range**	Time Range : 0 to 60 Sec Pause Time : 50ms or 100ms Selection by front key
OUTPUT	2 Relay O/P (1C/O, 5A 230V AC (Resistive Load) 1st Relay for star connection & 2nd Relay for delta connection
POWER SUPPLY	230V AC ±20%, 50Hz 415V AC ±20%, 50Hz



Model	**CYL-22U** **Cycle Timer (Universal Supply)**
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT — **Range**	0.1 Sec to 10 Sec / Min / Hour
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)
POWER SUPPLY	12V to 240V DC & 20V to 240V AC, 50/60Hz



Model	**FRT-22U** **Forward Reverse Timer (Universal Supply)**
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT — **Range**	Forward & Reverse Time Range : 0.1 Sec to 10 Hour Pause Time : 1 Sec to 100 Sec
OUTPUT	2 Relay 1 C/O, 5A 230V AC (Resistive Load) 1st Relay For Forward Time & 2nd Relay For Reverse Time
POWER SUPPLY	12V to 240V DC & 20V to 240V AC, 50/60Hz

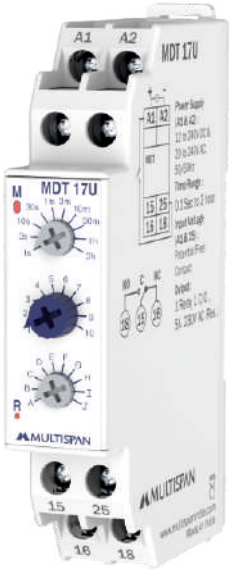
Din Rail Relays

22 Series



Model	**POD-30S**
	Power OFF Delay Timer
Dimension (HxWxD)mm	90 x 22.5 x 63
Mounting	Din Rail Mounting
INPUT — Range	1 to 360Sec
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)
POWER SUPPLY	24V to 240V AC/DC , 50/60Hz

Model	**MDT-17U**
	Multifunction timer
Dimension (HxWxD)mm	90 x 17.5 x 62
Mounting	Din Rail Mounting
INPUT	Start Pulse Micro Switch
Range	0.1 Second to 3 Hour
OUTPUT	1 Relay 1C/O 5A, 230V AC (Resistive Load)
PROGRAM	10 Program
POWER SUPPLY	12V to 240V DC & 20V to 240V AC, 50/60Hz



Multi Channel Current Transducer

CT upto 100A



DINRAIL MOUNT

3CT 4CT 6CT 8CT

Model	**MCS-63**
Dimension (HxWxD)mm	76 x 28 x 116
Mounting	Din Rail Mounting
INPUT	Current : 2A to 60A Direct UP to 6 Current Scanner
OUTPUT	RS-485 Modbus
POWER SUPPLY	24V DC, 100 to 270V AC
Note	**100 Amp 3 CT Also Available**

Water Level Controller

WLC 2 TANK



WLC 1 TANK



Model	**WLC 35**
Dimension (HxWxD)mm	90 x 35 x 61.5
Mounting	Din Rail Mounting
INPUT	6 Nos Probes S-1 : Common, S-2 : Low, S-3 : High
OUTPUT	1 Relay 1C/O, 5A 230V AC (Resistive Load)
SENSITIVITY	1K to 1MΩ
TRIP DELAY	0 to 10 Second
POWER SUPPLY	100 to 270V AC, 50/60Hz

Logic Relay

Model	**LR 35**
Dimension (HxWxD)mm	90 x 35 x 60
Mounting	Din Rail Mounting
INPUT	2 Micro Switch
OUTPUT	2 Relay, 1C/O (NO-C-NC)
POWER SUPPLY	100 to 270V AC, 50/60Hz



Winding Temperature Relay



Model	**WTR 35**
Dimension (HxWxD)mm	90 x 35 x 60
Mounting	Din Rail Mounting
INPUT	PTC Probe
OUTPUT	1 Relay 2C/O, 5A 230V AC (Resistive Load)
RANGE	70°C to 180°C
RESET MODE	Auto / Manual Selectable
POWER SUPPLY	50 to 550V AC

Power & Energy Meters

Dual Source Meter





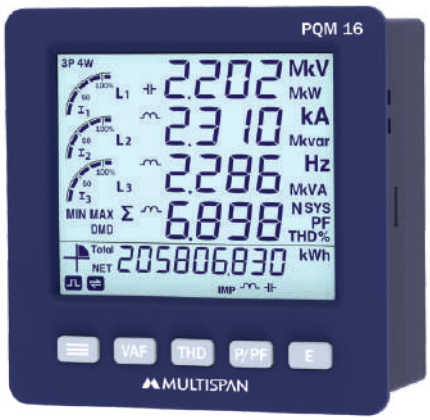
		DSM 14	DSM 11
	Model	DSM 14	DSM 11
	Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 54
	Panel Cutout mm	92 x 92	92 x 92
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire /1Ø2 Wire + DG Input	
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)	
	Current	Current : 5A to 9999A (Programmable), Secondary : 5A/1A (Programmable)	
PARAMETER		Voltage - L-L, L-N & Average Power Factor - Per Phase & Average Power - KW, KVA, KVAr (per phase and total) Current - Phase, Average Energy - Kwh, KVAh, KVArh	Energy - Kwh, KVAh, KVArh Power - KW, KVA, KVAr (per phase and total)
COMMUNICATION		RS-485 Modbus (Optional) & Pulse Output	
	Accuracy	Class 0.5	
	Supply	100 to 270V AC/DC (SMPS) , 50/60Hz, Approx 4VA	

DIN Rail AC Multifunction Meter





		EPM-35	EPM-70
	Model	EPM-35	EPM-70
	Dimension (HxWxD)mm	90 x 35 x 72	90 x 70 x 62
	Panel Cutout (mm)	Din Rail Mounting	Din Rail Mounting
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire /1Ø2 Wire	3Ø4 Wire / 3Ø3 Wire /1Ø2 Wire
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)	
	Current	Current : 5A to 9999A (Programmable), Secondary : 5A/1A (Programmable)	
PARAMETER		Ampere, Volt, Frequency, KW, KVA, KVAr, Kwh, KVArh (Import & Export), KVAh PF (Per Phase & Average)	Ampere, Volt, Frequency, KW, KVA, KVAr (Total & Per Phase), Kwh, KVArh (Import & Export), KVAh PF (Per Phase & Average), THD% (A,V)
	Communication	RS-485 Modbus & Pulse Output	
	Accuracy	Class 0.5	
	Supply	Self Powered	100 - 300V AC/DC, 50/60Hz
	Note	External CT must to be connected in EPM-35	





		PQM 16	PQM 14
	Model	**PQM 16**	**PQM 14**
	Dimension (HxWxD)mm	96 x 96 x 46	96 x 96 x 46
	Panel Cutout mm	92 x 92	92 x 92
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire /1Ø2 Wire	3Ø4 Wire / 1Ø2 Wire
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)	
	Current	Current : 5A to 9999A (Programmable), Secondary : 5A/1A (Programmable)	
PARAMETER	KW Total	0.000 - 9999 MW	0.000 - 9999 MW
	KW Per Phase	0.000 - 9999 MW	0.000 - 9999 MW
	WH Total	0.000 - 999999999 MWH	000.000 - 999999999.999 KWH
	Power Factor Average (PF)	-1.000 to 1.000	-1.000 to 1.000
	Power Factor Per Phase (PF)	-1.000 to 1.000	-1.000 to 1.000
	KVA Total	0.000 - 9999 MVA	0.000 - 9999 MVA
	VAH Total	0.000 - 999999999 MVAH	000.000 - 999999999.999 KVAH
	Frequency (Hz)	45 - 60Hz	45 - 60Hz
	KVAr Total	0.000 - 9999 MVAr	0.000 - 9999 MVAr
	Varh Total	000.000 - 999999999 MVArh	000.000 - 999999999.999 KVArh
	Load Hours	9999.59 Hrs/Min.	9999.59 Hrs/Min.
	NO Load Hours	9999.59 Hrs/Min.	9999.59 Hrs/Min.
	RPM	3600 RPM @ 60Hz & 2 Pole	3600 RPM @ 60Hz & 2 Pole
COMMUNICATION		RS-485 Modbus (Optional) Pulse Output	
	Accuracy	Class 0.5 / Class 0.2 (Optional) Available in Model PQM-16	
	Supply	100 to 300V AC/DC , 50/60Hz, Approx 4VA	

Power & Energy Meters

Multifunction Meter

with Harmonics





		AVH-16	MPD-194
	Model		
	Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 61.5
	Panel Cutout mm	92 x 92	92 x 92
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire /1Ø2 Wire	3Ø4 Wire / 3Ø3 Wire / 1Ø2 Wire
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)	50 to 550V AC (L-L), 30 to 320V AC (L-N)
	Current	Current : 5A to 6000A (Programmable), Secondary : 5A/1A (Programmable)	Current : 5A to 9999A (Programmable), Secondary : 5A/1A (Programmable)
PARAMETER	KW Total	0.000 - 9999 MW	0.000 - 9999 KW
	KW Per Phase	0.000 - 9999 MW	0.000 - 9999 KW
	WH Total	0.000 - 99999999 MWH (Import & Export)	000.000 - 999999999.999 KWH
	Power Factor Average (PF)	0.100 - 1.000	0.100 - 1.000
	Power Factor Per Phase (PF)	0.100 - 1.000	0.100 - 1.000
	KVA Total	0.000 - 9999 MVA	0.000 - 9999 KVA
	VAH Total	0.000 - 99999999 MVAH	000.000 - 999999999.999 KVAH
	Frequency (Hz)	45 - 60Hz	45 - 60Hz
	KVAr Total	0.000 - 9999 MVAr	0.000 - 9999 KVAr
	Varh Total	000.000 - 99999999 MVArh (Import & Export)	000.000 - 999999999.999 KVArh
	Load Hours	9999.59 Hrs/Min.	9999.59 Hrs/Min.
	NO Load Hours	9999.59 Hrs/Min.	9999.59 Hrs/Min.
	RPM	3600 RPM @ 60Hz & 2 Pole	3600 RPM @ 60Hz & 2 Pole
	THD%	Up to 32 Order (Voltage & Ampere)	—
OUTPUT		—	2 Relay (NO-C-NC), 10A, 250V AC (Resistive Load)
COMMUNICATION		RS-485 Modbus (Optional) Pulse Output	
	Accuracy	Class 0.5 / Class 0.2 (Optional)	Class 0.5
	Supply	100 to 270V AC/DC (SMPS) , 50/60Hz	50 to 550V AC, 50/60Hz

Power & Energy Meters

Multifunction Meter





		AVH-14	MFM-13
	Model		
	Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 46
	Panel Cutout mm	92 x 92	92 x 92
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire /1Ø2 Wire	3Ø4 Wire / 3Ø3 Wire / 1Ø2 Wire
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)
	Current	Current : 5A to 6000A (Programmable), Secondary : 5A/1A (Programmable)	Current : 5A to 9999A (Programmable), Secondary : 5A/1A (Programmable)
PARAMETER	KW Total	0.000 - 9999 MW	0.000 - 9999 MW
	KW Per Phase	0.000 - 9999 MW	0.000 - 9999 MW
	WH Total	0.000 - 99999999 MWH	000.000 - 999999999.999 KWH
	Power Factor Average (PF)	0.100 - 1.000	0.100 - 1.000
	Power Factor Per Phase (PF)	0.100 - 1.000	0.100 - 1.000
	KVA Total	0.000 - 9999 MVA	0.000 - 9999 MVA
	VAH Total	0.000 - 99999999 MVAH	000.000 - 999999999.999 KVAH
	Frequency (Hz)	45 - 60Hz	45 - 60Hz
	KVAr Total	0.000 - 9999 MVAr	0.000 - 9999 MVAr
	Varh Total	000.000 - 99999999 MVArh	000.000 - 999999999.999 KVArh
	Load Hours	9999.59 Hrs/Min.	9999.59 Hrs/Min.
	NO Load Hours	9999.59 Hrs/Min.	9999.59 Hrs/Min.
	RPM	3600 RPM @ 60Hz & 2 Pole	3600 RPM @ 60Hz & 2 Pole
COMMUNICATION		RS-485 Modbus (Optional) Pulse Output	
	Accuracy	Class 0.5	Class 0.5
	Supply	100 to 270V AC/DC (SMPS) , 50/60Hz	100 to 300V AC/DC (SMPS), 50/60Hz

Power & Energy Meters

3 Phase Energy & Power Meter







Model		**EPM-14**	**EM-10**	**EM-1P**
Dimension (HxWxD)mm		96 x 96 x 54	96 x 96 x 43	96 x 96 x 43
Panel Cutout mm		92 x 92	92 x 92	92 x 92
INPUT	**Signal**	3Ø4Wire		1Ø2 Wire
	Voltage	30 to 300V AC (L-N) / 50 to 520V AC (L-L)		30 to 300V AC (L-N)
	Current	5/5 to 9999A AC CT Ratio Selectable		5/5 to 9999A AC
Reset		KWH Reset by front key	By front keypad	Reset by front key
Measuring Range		0.000 to 9999 KW (Active Power) 0 to 99999999 KWH (Active Energy)	0.000 TO 9999 KW 0 to 99999999 KWH (Active Energy)	0.000 TO 9999 KW 0 to 99999999 KWH (Active Energy)
Accuracy		Class 1.0		
Supply		100 to 270V AC/DC (SMPS) , 50/60Hz		
Note		**Optional RS-485 Modbus available in EPM-14, EM-10 & EM-1P** **2 Relay available in only EPM-14 as per request**		

3 Phase and 1 Phase Panel Meter

VAF METER







Model		**AVF-29T**	**AVF-19D**	**AVF-133**
Dimension (HxWxD)mm		72 x 72 x 45	96 x 96 x 43	96 x 96 x 54
Panel Cutout mm		68 x 68	92 x 92	92 x 92
INPUT	**Signal**	3Ø4Wire / 3Ø3 Wire / 1Ø2 Wire		3Ø4Wire / 3Ø3 Wire / 1Ø2 Wire
	Voltage	Primary PT : 100V to 520KV Secondary PT : 50 to 520V AC (L-L)	30 to 300V AC (L-N) 50 to 520V AC (L-L)	30 to 300V AC (L-N) 50 to 520V AC (L-L)
	Current	Primary CT : 9999A Secondary CT : 5A/1A	Primary CT : 9999A Secondary CT : 5A	Primary CT : 9999A Secondary CT : 5A
PARAMETER		Voltage (L-L) Voltage (L-N) Average Current (L1,L2 & L3) Line Current (L1,L2 & L3) Phase Sequence	Average Voltage (L-N) Average Voltage (L-L) Frequency Load Hour / No Load Hour RPM	Voltage (L-L) Voltage (L-N) Average Current (L1,L2 & L3) Line Current (L1,L2 & L3) Phase Sequence	Average Voltage (L-N) Average Voltage (L-L) Frequency Load Hour RPM
Accuracy		Class 0.5	Class 0.5	Class 0.5
Supply		100 to 270V AC/DC, 50/60Hz	230V AC ±20%,50Hz	100 to 270V AC/DC, 50/60Hz
Note		**RS-485 Modbus Available in AVF-133 as per request**		

Power & Energy Meters

3 Phase Ampere Meter







		AMP-19	AMP-13	AMP-23
Model		AMP-19	AMP-13	AMP-23
Dimension (HxWxD)mm		96 x 96 x 43	96 x 96 x 43	72 x 72 x 45
Panel Cutout mm		92 x 92	92 x 92	68 x 68
INPUT	Current	0.5A to 5A Primary : 5A to 9999A AC CT Selection Secondary : 5A	0.1A to 5A Primary : 5A to 9999A AC CT Selection Secondary : 1A/5A (Selectable)	
	Accuracy	Class 0.5	Class 0.5	
	Supply	230V AC ±20%,50Hz	100 to 270V AC/DC (SMPS) , 50/60Hz	
	Note	**RS-485 Modbus is available in AMP-13**		

3 PHASE VOLT METER







		VOLT-19	VOLT-13	VOLT-23
Model		VOLT-19	VOLT-13	VOLT-23
Dimension (HxWxD)mm		96 x 96 x 43	96 x 96 x 43	72 x 72 x 36
Panel Cutout mm		92 x 92	92 x 92	68 x 68
INPUT	Voltage	50 to 520V AC (L-L) Primary : 100 to 999KV (L-L) (Selectable) Secondary : 100 to 520V AC (L-L) (Selectable)		
	Accuracy	Class 0.5	Class 0.5	Class 0.5
	Supply	100 to 270V AC/DC (SMPS) , 50/60Hz	230V AC ±20%,50Hz	100 to 270V AC/DC (SMPS) , 50/60Hz

Power & Energy Meters

Single Phase AC Panel Meter

VOLT / AMP METER









	Model	AV-14/11V	AV-24/21V	AV-34/31V	AV-41CT/41A/41V
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 36	48 x 96 x 26	48 x 48 x 46
	Panel Cutout mm	92 x 92	68 x 68	46 x 92	45 x 45
INPUT	Ampere (AC)	5A AC Direct			
	CT Ratio	Primary : 5/5A to 4000/5A AC			Primary : 5/5A to 2000/5A AC
	Voltage (AC)	10 to 500V AC			
	Accuracy	Class 0.5			
	Supply	230V AC ±20%,50Hz	100 to 270V AC	230V AC ±20%,50Hz	100 to 270V AC, 50/60Hz
	Note	**30A Direct CT Available at back side (AV-11A, AV-21A, AV-31A, AV-41A)**			

Single Phase AC Panel Meter

VOLT + AMP METER









	Model	AV-12	AV-22	AV-33	AV-44
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 45	48 x 96 x 68	48 x 48 x 66
	Panel Cutout mm	92 x 92	68 x 68	46 x 92	45 x 45
INPUT	Current	Primary : 5/5A to 2000/5A AC			30.0A AC Direct
	Voltage	10 to 500V AC			30 to 500V AC
	Accuracy	Class 0.5			Class 0.5
	Supply	100 to 270V AC/DC			100 to 270V AC, 50/60Hz
	Note	**30A Direct CT Available at back side**			

Power & Energy Meters

DC Panel Meter

VOLT / AMP METER









	Model	**AV-14DA/14DV**	**AV-24DA/24DV**	**AV-34DA/34DV**	**AV-41DV**
	Dimension (HxWxD)mm	96 x 96 x 43	72 x 72 x 36	48 x 96 x 26	48 x 48 x 70
	Panel Cutout mm	92 x 92	68 x 68	46 x 92	45 x 45
INPUT	**Ampere (DC)**	-999 to 9999 Ampere DC Through 50mV, 60mV & 75mV DC External Shunt			
	Voltage (DC)	-20.0 to +20.00V DC / -50.0 to +50.0V DC/ -100 to +100.0V DC/ -200 to +200.0V DC/ -750 to +750V DC			
	Accuracy	±1% of Full Range ±1 Count			±1% of Full Range ±1 Count
	Supply	100 to 270V AC/DC, 50/60Hz			100 to 270V AC, 50/60Hz
	Note	**0 to 2A DC / 5A DC / 10A DC / 20A DC Direct Through Shunt is Available in Model AV-14DZ,24DZ,34DZ**			

SINGLE PHASE AC PANEL METER







	Model	**PF-11/PF-13**	**WM-11**	**FRQ-11**
	Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 43	96 x 96 x 43
	Panel Cutout mm	92 x 92	92 x 92	92 x 92
INPUT	**Signal**	1Ø2 Wire / 3Ø4 Wire	1Ø2 Wire	1Ø2 Wire
	Voltage	20 to 300V / 50 to 520V	300V AC (L-N)	300V AC (L-N)
	Current	5A AC (CT Selection 5-9999A)	0.5 to 5Amp (CT Selection 5 - 9999A)	
	CT Selection Secondary Function	5A AC	5A	
	Measuring Range	-1 to +1.000 PF	0 to 9999 Kilo Watt	50.0Hz
	Accuracy	Class 0.5	Class 0.5	Class 0.5
	Supply	100 to 270V AC/DC, 50/60Hz	100 to 270V AC/DC, 50/60Hz	230V AC ±20%, 50Hz
	Note		**Also Available in 199.9 Watt Range 1 Relay on KW is Available in WM-11**	

Power & Energy Meters

DC Panel Meter

VOLT / AMP METER





		MFM-142DC-M1	EDC-35
Dimension (HxWxD)mm		96 x 96 x 54	90 x 35 x 72
Panel Cutout mm		92 x 92	DIN Rail Mounting
INPUT	Ampere (DC)	-999 to 9999A DC Through -75mV to 75mV DC External Shunt	
	Voltage (DC)	-1500 to 1500V DC	-999 to 1000V DC
	Watt (DC)	-999 to 9999 kW DC	-999 to 9999 kW DC
	kWh	0 to 999999 kWh	Import kWh : 0.000 to 99999 MWh Export kWh : 0.000 to 99999 MWh
OUTPUT		2 Relay 1C/O 5A,230V AC (Resistive Load)	RS-485 Modbus Communication
Accuracy		±0.5% of Full Range ±1 Count	
Power Supply		100 to 270V AC/DC (SMPS) , 50/60Hz	
Note		RS-485 Modbus available in MFM-142DC as per request	







		DC-14	DC-24	VAW-34DC
Dimension (HxWxD)mm		96 x 96 x 54	72 x 72 x 45	48 x 96 x 26
Panel Cutout mm		92 x 92	68 x 68	46 x 92
INPUT	Ampere (DC)	-999 to 9999A DC Through -75mV to 75mV DC External Shunt		0 to 9999A DC Through 0 to 75mV DC External Shunt
	Voltage (DC)	0 to 1000V DC		0 to 1000V DC
	Watt (DC)	0000 to 9999 KWh DC		0000 to 9999 KW DC
Accuracy		±1% of Full Range ±1 Count		
Power Supply		100 to 270V AC/DC (SMPS) , 50/60Hz		
Note		RS-485 Modbus available in DC-14 & DC-24		

Power Supplies

10W to 240W

EFFICIENCY WITH RUGGEDNESS









Model	Rated Power	Rating		Input	Efficiency
		Volt	Amp		
PS24-10A	240W	24V DC	10A	100 - 270V AC	Up to 93%
PS24-6.5A-P	156W	24V DC	6.5A	100 - 270V AC	Up to 90%
PS24-5A-P	120W	24V DC	5A	100 - 270V AC	Up to 89%
PS24-2.5A	60W	24V DC	2.5A	100 - 270V AC	Up to 89%
DPS-24-2.5A	60W	24V DC	2.5A	100 - 270V AC	Up to 89%
PS24-1.5A	36W	24V DC	1.5A	100 - 270V AC	Up to 85%
PS24-1A	24W	24V DC	1A	100 - 270V AC	Up to 85%
PS12-10A	120W	12V DC	10A	100 - 270V AC	Up to 85%
PS12-5A-P	60W	12V DC	5A	100 - 270V AC	Up to 85%
PS12-2A	24W	12V DC	2A	100 - 270V AC	Up to 85%
PS12-1A	12W	12V DC	1A	100 - 270V AC	Up to 85%
PS48-5A	240W	48V DC	5A	100 - 270V AC	Up to 93%
PS48-2.5A	120W	48V DC	2.5A	100 - 270V AC	Up to 89%
PS15-8A	120W	15V DC	8A	100 - 270V AC	Up to 86%
PS5-2.5A	12.5W	5V DC	2.5A	100 - 270V AC	Up to 76%
PS10-1A	10W	10V DC	1A	100 - 270V AC	Up to 80%

Jumbo Displays

Jumbo Display Indicators

Single & Double Side



8" Display



4" Display

	Model	PTC-8004 (Single Side)	PIC-6004A / UTI-6004 / MPM-6004
	Dimension (HxWxD)mm	325 x 650 x 50	Dual Side : 165 x 392 x 75, Single Side: 165 x 392 x 55
INPUT	Input	0 - 10V DC / 4 - 20mA DC / 0 - 20mA DC (Configurable), Pulse through encoder / Proximity (Factory set) J / K / PT-100 2 Wire 3 Wire (Configurable), Rs-485 Modbus (Master Slave Selectable)	
	Range	**J** (0° to 400°C), **K** (0° to 1200°C), **PT-100 2Wire or 3 Wire** (-99.9° to 400.0°C) (-999 to 9999, 0 to 9999 Count For Analog Input)	
OUTPUT	Output1	2 Relay For Alarm Output (Optional)	
	Output2	24@30mA DC Transmitter Supply For analog Input (Optional)	
	Accuracy	±0.5% of Full Scale	
	Power Supply	100 to 270V AC (SMPS), 50/60Hz / 24V DC (Factory Set)	
	Note	**1) For Analog Input Input Model : PIC-6004A / PIC-3004A / PTC-8004** **2) For Proximity Input Model : PC-6004 / MPM-6004 / RPM-6004 /MSI-3004 / UTR-6004** **3) For Temperature Input Model : UTI-3004 / UTI-6004**	

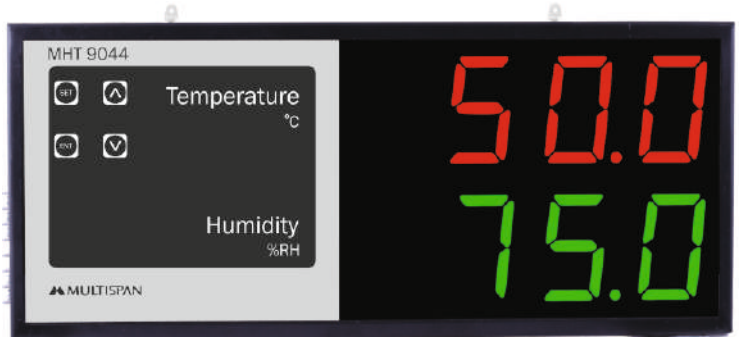
PROGRAMMABLE JUMBO DISPLAY COUNTER

4" Display



	Model	PC-6006 (Single Side)
	Dimension (HxWxD)mm	165 x 577 x 55
DISPLAY		Single Display : 7 Segment, 6 Digit, 4" Red Led Display
INPUT	Start Pulse	NPN / PNP Proximity Switch & Micro Switch (Configurable)
	Range	0 - 999999 Count
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Optional)
	Memory	Non - Volatile Memory
	Reset	Auto / Manual Reset / Back Reset
	Supply	100 to 270V AC (SMPS), 50/60Hz, 24V DC
	Note	**RS-485 Input Available as per request (Master Slave Selectable)**

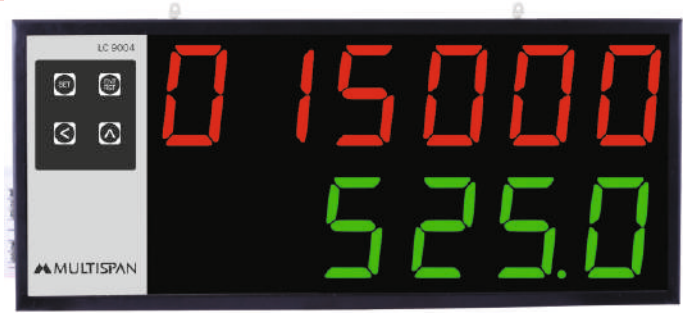
2.25" Display



Model		**MHT-9044 (Humidity + Temperature Controller)**
Dimension (HxWxD)mm		165 x 392 x 55
DISPLAY		Upper Display : 7 Segment, 4 Digit, 2.25" Red Led Display - Temperature Lower Display : 7 Segment, 4 Digit, 2.25" Green Led Display - Humidity
INPUT	Sensor	S-1 : PT-100 2 Wire or 3 Wire (RTD) S-2 : Humidity Sensor
	Range	**PT-100 2 Wire o 3 Wire** (-99°C to 400°C), **Humidity Sensor** (0.0 to 100.0% RH)
OUTPUT		1st Relay For Temperature and 2nd Relay For Humidity
Control Action		ON-OFF
Accuracy		±1% of FSD
Power Supply		100 to 250V AC (SMPS), 50/60Hz

PROGRAMMABLE JUMBO LENGTH COUNTER

2.25" Display



Model		**LC-9004**
Dimension (HxWxD)mm		165 x 392 x 55
DISPLAY		Upper Display : 7 Segment, 6 Digit, 2.25" Red Led Display - Total Meters Lower Display : 7 Segment, 4 Digit, 2.25" Green Led Display - Meter Per Minute
INPUT	Start Pulse	NPN / PNP Proximity Switch / Micro Switch (Configurable) or Encoder (Factory Set)
	Range	0 - 99999.9 / 0 - 999999 Meter (Configurable)
OUTPUT		1 Relay 1C/O 5A,230V AC (Resistive Load) or SSR 12V max 20mA DC Output (Any One Factory Set)
MPM Range		999.9 MPM
Diameter		0 - 9999.99 MM
Memory		Non - Volatile Memory
Reset		Auto Reset / Manual Reset Facility & Front and Back Reset Facility
Supply		100 to 270V AC (SMPS), 50/60Hz
Note		**RS-485 Input / Output Available as per request**

Jumbo Displays

Jumbo Display Model Selection Guide

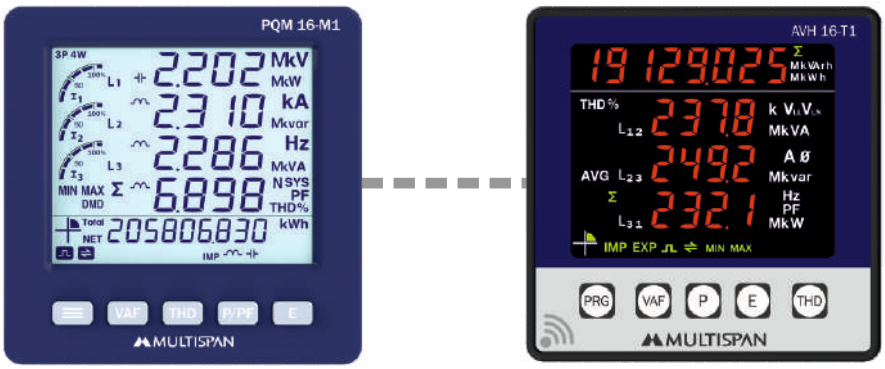
Sr. No	Product Model	Display Digit	Input	Display Parameter
1	PIC-6004A	4	4-20mA/0-10V/0-20mA DC	Process Value (-999 to 9999)
2	UTI-6004	4	J / K / PT-100	Temperature
3	PTC-6004	4	4-20mA/0-10V/0-20mA DC/ J / K / PT-100	Process Value (-999 to 9999)/ Temperature
4	PC-6004	4	NPN / PNP Proximity	Count
5	RPM-6004	4	NPN / PNP Proximity	RPM
6	MPM-6004	4	NPN / PNP Proximity	MPM
7	RS-6004	4	RS-485	Numeric Value
8	LC-9004	6 + 4	NPN / PNP Proximity	Total Length & MPM
9	MHT-9044	4 + 4	PT-100 + RH Sensor	Temperature & Humidity
10	PC-6006	6	NPN / PNP Proximity	Count
11	RS-6006	6	RS-485	Numeric Value
12	PTC-8004 (8 Inch Display)	4	4-20mA/0-10V/0-20mA DC J / K / PT-100	Process Value (-999 to 9999)/ Temperature

IIoT Solution

Data logging on cloud



Built in Wireless Module



Gateway Modules

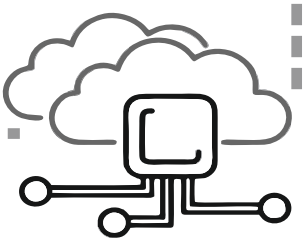
RS-485
Modbus



Web application







Secured
Cloud Storage

Worldwide Presence



Asia

Bahrain
Indonesia
Iraq
Jordan
Kuwait
Malaysia
Maldives
Myanmar
Oman
Qatar
Saudi Arabia
Singapore
Syria
Thailand
UAE
Vietnam

Africa

Botswana
Egypt
Kenya
Lebanon
Namibia
Nigeria
South Africa
Tunisia
Uganda

America & Oceania

Australia
Chile
Mexico

Product Catalog

ScanQRcodetodownloadE-Catalog

Technical specifications & product variations are subject to change (Ver. 2025-01)

MULTISPAN

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