

Measurement & Control with optimum performance

Since 1986



IIoT Solutions
Power Supplies
Temperature Controllers
Process Instruments
Timers & Counters
Power & Energy Meters
Protection Relays

Product
Catalog
2024

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 300+ 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

Our focus

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





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 and product testing, with vertically integrated manufacturing facility, infrastructure and a cutting edge, 30 member strong R&D division, with over 3000 software applications, 200+ standard products and 100+ customized products.



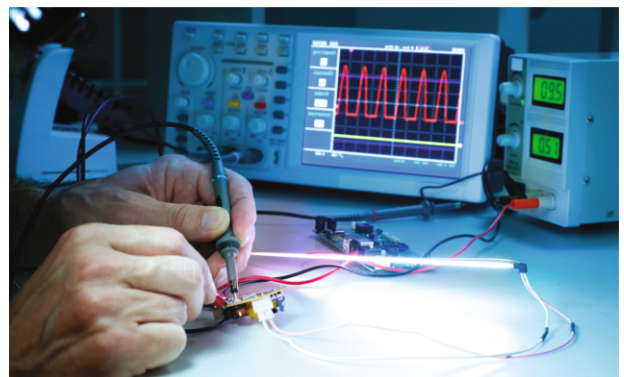
Electronic Assembly
Fully Integrated SMT Line



Plastic Enclosure Manufacturing
In-house Injection Moulding



Testing & Quality Control

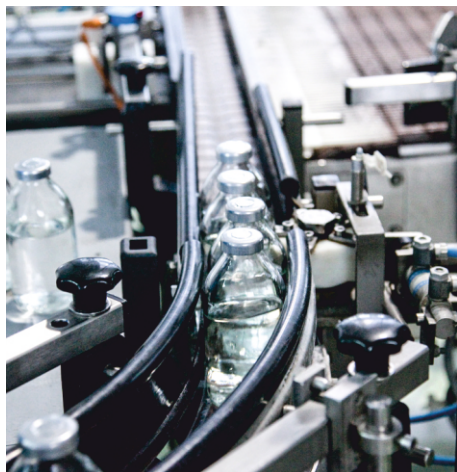


Reliability Laboratory



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



Pharmaceutical



Electrical Panel



Food Processing



Textile Industry



Packaging



Energy Measurement

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 
Dimension (HxWxD)mm		192 x 96 x 168
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 FSD
Supply		100 - 270V AC (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	MS-1248	8	✓		4		
6	MS-1248-M1	8	✓		4	✓	
7	MS-1248U	8	✓		4		✓
8	MS-1248U-M1	8	✓		4	✓	✓
9	MSU-1248	8	✓	✓	4		
10	MSU-1248-M1	8	✓	✓	4	✓	
11	MSU-1248U	8	✓	✓	4		✓
12	MSU-1248U-M1	8	✓	✓	4	✓	✓
13	MSU-1244-M1	4	✓	✓	4	✓	
14	MSU-1244	4	✓	✓	4		
15	MSU-1244U	4	✓	✓	4		✓
16	MSU-1244U-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	✓	✓

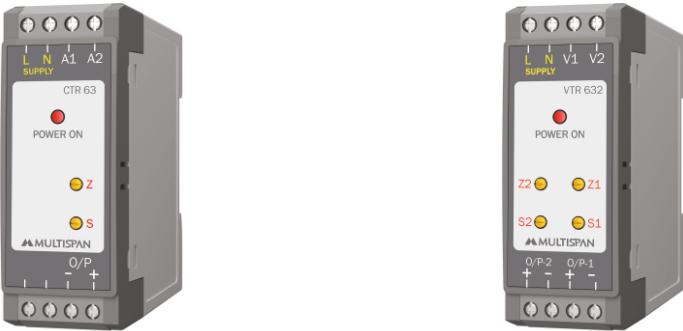
Process Control Instruments

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 FSD			±0.5% of FSD
Supply	100 - 270V AC (SMPS), 50/60Hz or 24V DC (Factory Set)			100 - 270V AC (SMPS), 50/60Hz or 24V DC (Factory Set)

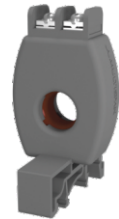
Voltage & Current Transducers



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	±1% of FSD		
Supply	100 - 270V AC (SMPS), 50/60Hz / 24V DC (Factory Set)		
Note	Accuracy ±0.2% of FSD Available on request		

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		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 FSD		
Supply	100 - 250V AC (SMPS), 50/60Hz		
Note	RS-485 Output available in PID-2303-1C-M1/3C-M1 & Input PT-100 3Wire available in PID-2303-1C/3C as per request		

Humidity + Temperature Controller



Model	MHC-1101 (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	1 Relay 1C/O, 5A@230V AC (Resistive Load)		1 st Relay for Temperature and 2 nd Relay for Humidity RS-485 Modbus (Optional)	
Control Action	ON - OFF		ON - OFF	
Accuracy	±1% of FSD		±1% of FSD for Temperature , ±3% of FSD for Humidity	
Supply	100 - 270V AC (SMPS), 50/60Hz		100 - 270V AC (SMPS), 50/60Hz	
Note	4-20mA DC Retrains. Available on request MHC-1101			

Temperature Controllers

Universal Programmable Controller

Auto Tune PID, RS-485 Modbus Facility



Model	PTC-1202A-M1		PTC-4202A-M1	PTC-382A-M1
Dimension (HxWxD)mm	96 x 96 x 54		48 x 48 x 111	48 x 96 x 76
Panel Cutout (mm)	92 x 92		45 x 45	46 x 92
INPUT	Input	J / K / PT-100 2 Wire or 3 Wire, 0 - 10V DC / 4 - 20mA / 0 - 20mA (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) , (-999 to 9999 for Analog Input)		
OUTPUT	Output 1	1 Relay 1C/O 5A,230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Factory Set)		
	Output 2	1 Relay 1C/O 5A,230V AC (Resistive Load) or SSR Drive O/P 12V DC, 20mA (Factory Set)		
	Output 3	0 - 10V DC / 4 - 20mA DC (Factory Set) (Controlling / Retransmission Selection)		
	Communication	RS-485 Modbus Communication (Optional)		
	Control Action	PID / ON-OFF (Configurable)		
	Accuracy	±1% of FSD		
	Supply	100 - 250V AC (SMPS), 50/60Hz		
Note : 5 Digit Option Available in PTC 352A-M1 Size 48x96				

Note : 5 Digit Option Available in PTC 352A-M1 Size 48x96

PTC Model Selection Guide

Sr. No.	Model	Display	Size (HxWxD)mm	Output 1	Output 2	Output 3	Output RS-485
1	PTC-L12	Graphical LCD	96 x 96 x 54	Relay	Relay	-	-
2	PTC-L12A	Graphical LCD	96 x 96 x 54	4-20mA/0-10V DC	Relay	Relay	-
3	PTC-L12-M1	Graphical LCD	96 x 96 x 54	Relay	Relay	-	✓
4	PTC-L12A-M1	Graphical LCD	96 x 96 x 54	4-20mA/0-10V DC	Relay	Relay	✓
5	PTC-1202	LED	96 x 96 x 54	Relay	Relay	-	-
6	PTC-1202A	LED	96 x 96 x 54	4-20mA/0-10V DC	Relay	Relay	-
7	PTC-1202-M1	LED	96 x 96 x 54	Relay	Relay	-	✓
8	PTC-1202A-M1	LED	96 x 96 x 54	4-20mA/0-10V DC	Relay	Relay	✓
9	PTC-4202	LED	48 x 48 x 95	Relay	Relay	-	-
10	PTC-4202A	LED	48 x 48 x 111	4-20mA/0-10V DC	Relay	Relay	-
11	PTC-4201-M1	LED	48 x 48 x 95	Relay	-	-	✓
12	PTC-4202-M1	LED	48 x 48 x 111	Relay	Relay	-	✓
13	PTC-4202A-M1	LED	48 x 48 x 111	4-20mA/0-10V DC	Relay	Relay	✓
14	PTC-382	LED	48 x 96 x 75	Relay	Relay	-	-
15	PTC-382A	LED	48 x 96 x 75	4-20mA/0-10V DC	Relay	Relay	-
16	PTC-382-M1	LED	48 x 96 x 75	Relay	Relay	-	✓
17	PTC-382A-M1	LED	48 x 96 x 75	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

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 45
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 FSD			
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 45
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 FSD			
Supply	100 - 270V AC/DC (SMPS), 50/60Hz			

Temperature Controllers

PID Temperature Controller Modules



Master Module

Slave Module

Model		TC-1X (Master Module) /TC-2X (Slave Module)	UTC-1X (Master Module)/UTC-2X (Slave Module)
Dimension (HxWxD)mm		76 x 27 x 110	76 x 27 x 110
Panel Cutout (mm)		Din Rail Mounting	Din Rail Mounting
INPUT	Input	J / K (Configurable)	J / K/PT-100 (Configurable)
	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 (-99 °C to 400 °C, -99.0 °C to 400.0 °C)
OUTPUT		1 Output : Relay 5A, 230V AC (Resistive Load) SSR 24V DC, 20mA (Parallel to Relay)	2 Output : Relay 5A, 230V AC (Resistive Load) or SSR 24V DC, 20mA
Control Action		PID / TP / ON-OFF (Configurable)	
Accuracy		±1% of FSD	
Supply		24V DC (For Master Module)	

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

Features

MODBUS RS-485 Communication for HMI Indication
Connection Upto 1 Master + 7 Slave Modules



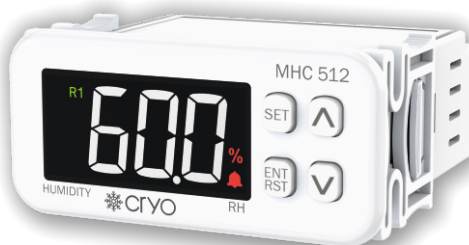
cryo

A brand by **MULTISPAN**

Cooling Controller



Humidity Controller



Model		CC-510	MHC-512
Dimension (HxWxD)mm		37 x 78 x 70	37 x 78 x 70
Panel Cutout (mm)		29 x 71	29 x 71
INPUT	Input	NTC (Thermistor)	Humidity Sensor
	Range	-50°C to 99.9°C	0.0 to 100.0% RH
OUTPUT		1 Relay 1C/O, 10A@230V AC (Resistive Load) (With Defrost Facility)	2Relay 1C/O, 10A @230V AC (Resistive Load)
Control Action		ON - OFF (Cooling Mode)	ON - OFF
Supply		230V AC $\pm$ 20%, 50Hz / 24V DC / 12V DC (Factory Set)	230V AC $\pm$ 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		Relay 20A (1C/O)	-
3	CC-512	37 x 78 x 70		Relay for Compressor 1C/O 10A	Relay for Alarm 1C/O 10A
4	CC-515	37 x 78 x 70		Relay for Compressor 1C/O 10A	Buzzer (12V DC)
5	CC-552	37 x 78 x 70		Relay for Compressor 1C/O 10A	Relay for Compressor 1C/O 10A
6	CC-521	37 x 78 x 70		Relay for Compressor 1C/O 10A	Relay for Heater 1C/O 10A
7	CC-522	37 x 78 x 70		Relay for Compressor (NO-C) 20A	Relay for Alarm 1C/O 5A
8	CC-525	37 x 78 x 70		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 (Compressor + Fan + Defrost)	

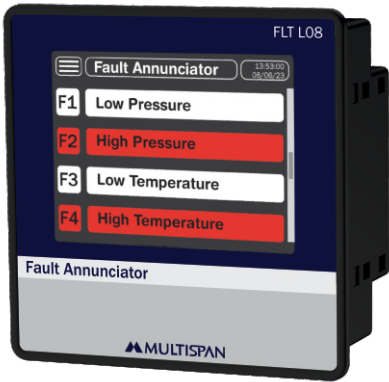


**Touch
Key
AVAILABLE**

Fault Annunciator



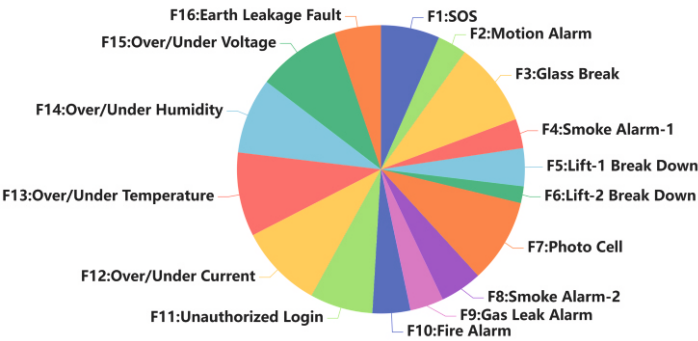
Touch
Screen



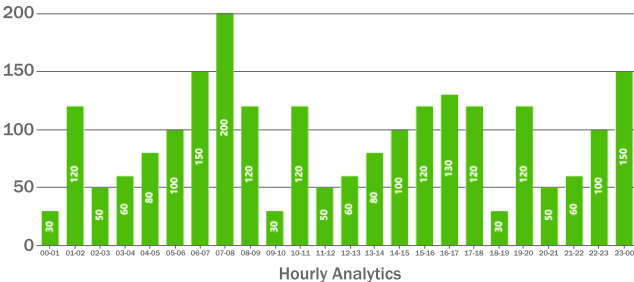
Model	FLT L08	FLT L16
Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 54
Panel Cutout (mm)	92 x 92	92 x 92
INPUT	8 Input potential free contact	16 Input potential free contact
OUTPUT	2 Relay 1C/O for Audio alarm & Machine Trip	
Supply	100 - 270V AC (SMPS), 50/60Hz (Factory Set)	
Key Features	Fault Type NO or NC Configurable, Last 5 fault history with RTC, Individual Faultwise history with RTC	
Note	RS-485 Modbus is available	

Fault Annunciator IIoT

Fault Analytics



Today's Event Count



MOST OCCURING FAULT

F5: FIRE ALARM
35

DAY WITH MOST FAULT

29/04/2024
12

SYSTEM UP TIME

12:05:55:23 ▼

SYSTEM DOWN TIME

00:05:45:23 ▲

Building Management System

No	Fault Name	Status	Date/Time
1	SOS	Solved	11-07-2024 10:30:02
2	Motion Alarm	Fault	11-07-2024 14:42:31
3	Glass Break	Muted	19-08-2024 09:17:22
4	Smoke Alarm-1	Muted	21-04-2024 18:14:11
5	Lift-1 Break Down	Muted	22-07-2024 08:18:13
6	Lift-2 Break Down	Solved	22-07-2024 12:19:14
7	Photo Cell	Solved	23-07-2024 11:39:25
8	Smoke Alarm-2	Solved	23-07-2024 07:44:29
9	Gas Leak Alarm	Solved	24-07-2024 19:35:00
10	Fire Alarm	Fault	25-07-2024 12:19:10

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		



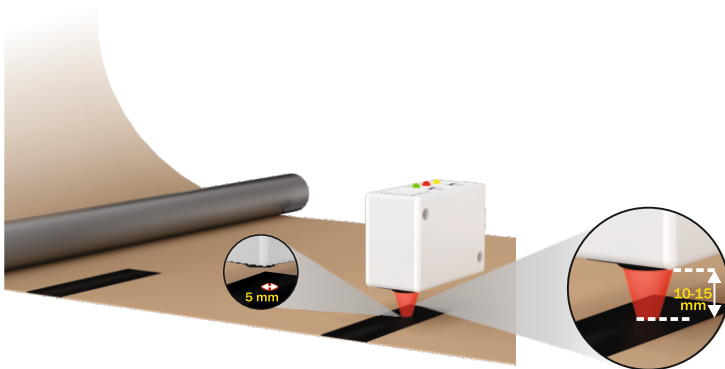
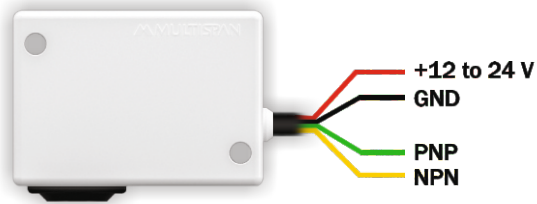
Programmable Timer Universal Timer - 2 Relay Output

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 Counters

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 Temperature	-10 to 50C
Storage Temperature	-20 to 70C
Operating Distance	10mm - 15mm
Minimum Spot Diameter	5mm
Emission type	RED (630nm) GREEN (520nm) BLUE (465nm)
Ambient Light Rejection	Yes
Vibration	0.5mm Amplitude, 10 to 55 Hz Frequency
Housing Material	ABS
Lens Material	Glass
Connection	Shielded 4 Wire Cable

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 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 76	96 x 96 x 43	72 x 72 x 45	48 x 48 x 95
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) 2 Relay Output available as per request in 72x72 size (MMC-2046) , 96x96 size MMC-1000			

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 70	144 x 144 x 70
Panel Cutout mm		92 x 92	137 x 137	137 x 137
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



Model	ELR-19N	ELR-11	EFR-63	
Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 54	76 x 28 x 85	
Panel Cutout mm	92 x 92	92 x 92	Din Rail Mounting	
INPUT	Input Signal	30mA to 30.0Amp AC Thru. External CBCT		Current : 5Amp From CBCT
	Range	30mA to 30A AC		10% to 100% of CT rating
OUTPUT		2 Relay (NO-C-NC) 5A, 230V AC Resistive Load		1 Relay (5A, 230V AC Resistive Load) Earth Fault Current
	Reset & Test	Front & Back Test & Reset Facility		Front & Back Test & Reset Facility
	Accuracy	Class 0.5		Class 0.5
	Supply	100 to 270V AC/DC (SMPS), 50/60Hz		100 to 270V AC (SMPS), 50/60Hz
	Note	RS-485 Modbus is available in ELR-19N as per request, CBCT available as per required inner diameter		



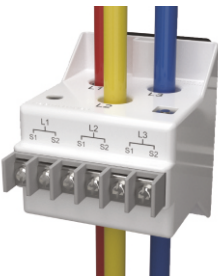
Model	ECT 35D - Inbuilt CBCT 35mm	ELR-35	ER-2K
Dimension (HxWxD)mm	90 x 22.5 x 72	90 x 35 x 61.5	90 x 35 x 61.5
Panel Cutout mm	Din Rail Mounting	Din Rail Mounting	Din Rail Mounting
INPUT	Range	30mA to 3A AC	30mA to 30A AC
OUTPUT		2 Relay, 1 st Relay (NO-C-NC) & 2 nd Relay (NO-C) 5A,230V (Resistive Load)	1 Relay (NO-C-NC) 5A, 230V AC Resistive Load
Reset & Test	Front Test & Reset Facility	Front & External Test-Reset Facility	
Accuracy	Class 0.5	Class 0.5	
Supply	100 to 250V AC (SMPS), 50/60Hz	100 to 270V AC (SMPS), 50/60Hz	
Note	Inbuilt CBCT with ID 70mm option is Available on request		

Protection Relays

Protection Device - 3 Phase



DINRAIL
MOUNT



Model	MPD-192				
Dimension (HxWxD)mm	96 x 96 x 54				
Panel Cutout mm	92 x 92				
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)			1 Relay (NO-C-NC) 10A, 230V AC (Resistive Load)	
	2nd Relay (NO-C) 5A (With Simultaneous Actuation)				
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 (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				

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

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 Neutral Loss
Supply		230V AC $\pm$ 20%, 50Hz		50 to 520V AC, 50/60Hz

DINRAIL
MOUNT

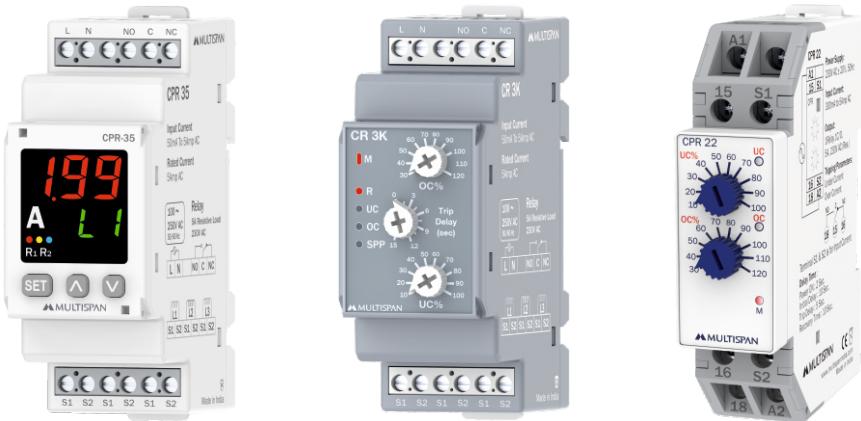


Model	VPR-35	VPR-33	VR-3K	VR-3KN
Dimension (HxWxD)mm	90 x 35 x 61.5	90 x 35 x 61.5	90 x 35 x 61.5	90 x 35 x 61.5
Mounting	Din Rail Mounting			
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire / 1Ø2 Wire	3Ø4 Wire / 3Ø3 Wire	3Ø3 Wire
	Voltage	50 to 330V AC (L-N), 85 to 550V AC (L-L)	160 to 300V AC (L-N), 260 to 520V AC (L-L)	280 to 520V AC (L-L)
OUTPUT		2 Relay (NO-C-NC) 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 (SMPS)	No Power Supply to be given Separately		

Protection Relays

Current Protection Relay

DINRAIL
MOUNT



Model	CPR-35	CPR-35-1	CR-3K	CPR-22 - 1CT
Dimension (HxWxD)mm	90 x 35 x 61.5	90 x 35 x 61.5	90 x 35 x 61.5	90 x 22.5 x 72
Mounting	Din Rail Mounting			
INPUT	Signal	3Ø3 Wire	1Ø2 Wire	3Ø3 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 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 to 250V AC (SMPS)			230V AC ±20%,50Hz

Overload Relay - Built in CT

DINRAIL
MOUNT



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	Current - Phase, Average & Neutral	Power Factor - Per Phase & Average
	THD% - Current and Voltage	Power - KW, KVA, KVA _r (per phase and total)	Max Demand - KW, KVA
	WH - Import , Export & NET, VAH	VA _r h - Import, Export, Lead & Lag	Load Hour, No Load Hour, RPM,
			Power Interruption, Frequency
COMMUNICATION	RS-485 Modbus (Optional) & Pulse Output		
Accuracy	Class 0.5		
Supply	100 to 300V AC/DC (SMPS) , 50/60Hz, Approx 4VA		

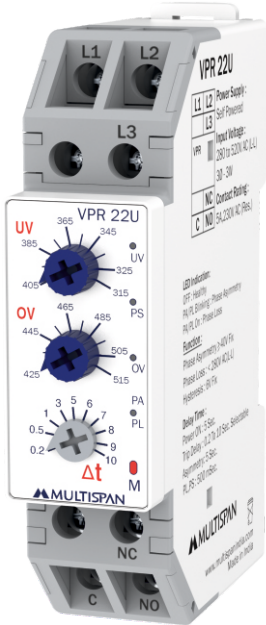
DC Voltage Protection Relay

	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
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



Model	VPR-22U
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
Note	Power ON Delay Time & Trip Delay Time by using DIP switch

Model	SPP-22 / V22-RYB
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



Model	VPR-17U
Dimension (HxWxD)mm	90 x 17.5 x 62
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

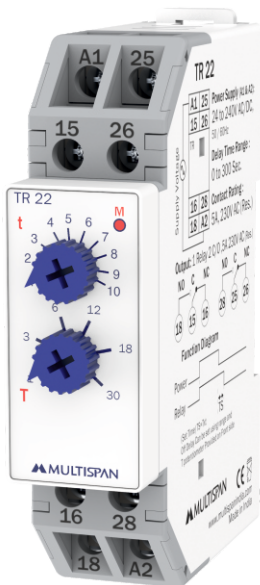
Din Rail Analog Timers

22 Timer Series



Model	DT Series
Dimension (HxWxD)mm	90 x 22.5 x 63
Mounting	Din Rail Mounting
INPUT	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 $\pm 20\%$, 50Hz / 24V DC / 415V AC (Factory Set)

Model	DI-22U
Dimension (HxWxD)mm	90 x 22.5 x 72
Mounting	Din Rail Mounting
INPUT	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



Power OFF Delay Timer

Model	TR-22
Dimension (HxWxD)mm	90 x 22.5 x 63
Mounting	Din Rail Mounting
INPUT	0 to 300 SEC
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)
POWER SUPPLY	24 to 240V AC/DC, 50/60Hz

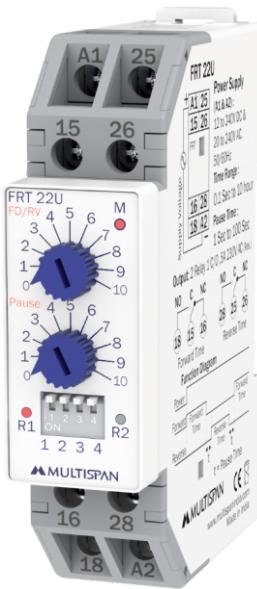
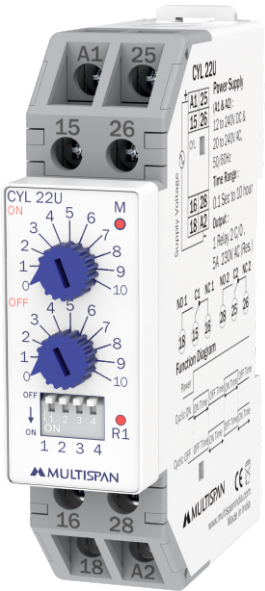
Din Rail Analog Timers

22 Timer Series



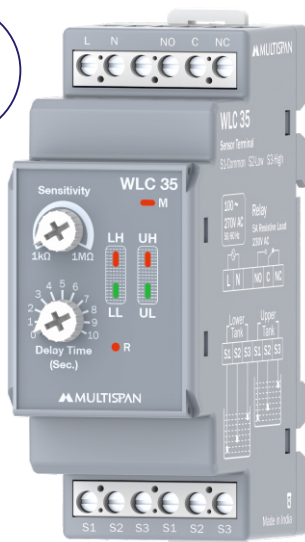
Model	SD-22	
	Star Delta Timer	
Dimension (HxWxD)mm	90 x 22.5 x 72	
Mounting	Din Rail Mounting	
INPUT	Range	Time Range : 0 to 60 Sec Pause Time : 50ms or 100ms Selection by front key
OUTPUT		2 Relay O/P (1C/O, 5A 230V AC (Resistive Load) 1st Relay for star connection & 2nd Relay for delta connection
POWER SUPPLY		230V AC ±20%, 50Hz
Note	415V AC Supply Available on request (SD-224)	

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

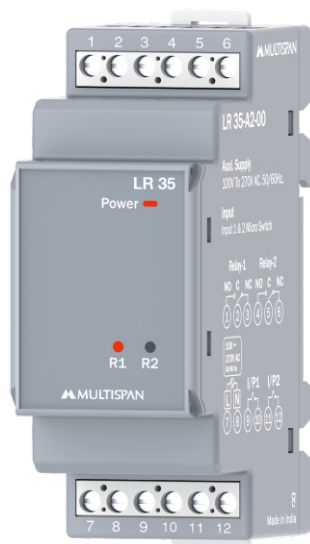
WLC 2 TANK



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 59
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 59
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

Multifunction Meter with Harmonics



Model	PQM 16			AVH 16
Dimension (HxWxD)mm	96 x 96 x 46			96 x 96 x 54
Panel Cutout mm	92 x 92			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)		
PARAMETER	Voltage - L-L, L-N & Average		Current - Phase, Average & Neutral	Power Factor - Per Phase & Average
	THD% - Current and Voltage		Power - KW, KVA, KVAR (per phase and total)	Max Demand - KW, KVA
COMMUNICATION	WH - Import , Export & NET, VAH		VARh - Import, Export, Lead & Lag	Load Hour, No Load Hour, RPM,
	RS-485 Modbus (Optional) & Pulse Output			Power Interruption, Frequency
Accuracy	Class 0.5			
Supply	100 to 300V AC/DC (SMPS) , 50/60Hz, Approx 3VA			

Dual Source Meter



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		Current - Phase, Average	Energy - Kwh, KVAh, KVARh
	Power Factor - Per Phase & Average		Energy - Kwh, KVAh, KVARh	Power - KW, KVA, KVAR (per phase and total)
COMMUNICATION	Power - KW, KVA, KVAR (per phase and total)			
	RS-485 Modbus (Optional) & Pulse Output			
Accuracy	Class 0.5			
Supply	100 to 300V AC/DC (SMPS) , 50/60Hz, Approx 3VA			

Power Supplies

10W to 240W



Model	Rated Power	Rating		Input	Efficiency
		Volt	Amp		
PS24-10A	240W	24V DC	10A	100 - 270V AC	>93%
PS24-6.5A	156W	24V DC	6.5A	100 - 270V AC	>90%
PS24-5A	120W	24V DC	5A	100 - 270V AC	>89%
PS48-2.5A	120W	48V DC	2.5A	100 - 270V AC	>89%
PS12-8A	96W	12V DC	8A	100 - 270V AC	>85%
PS24-2.5A	60W	24V DC	2.5A	100 - 270V AC	>89%
PS12-5A	60W	12V DC	5A	100 - 270V AC	>85%
PS15-5A	60W	15V DC	5A	100 - 270V AC	>86%
PS24-1.5A	36W	24V DC	1.5A	100 - 270V AC	>85%
PS24-1A	24W	24V DC	1A	100 - 270V AC	>85%
PS12-2A	24W	12V DC	2A	100 - 270V AC	>85%
PS24-0.83A	20W	24V DC	0.83A	110V AC/DC	>86%
PS12-1A	12W	12V DC	1A	100 - 270V AC	>85%
PS10-1A	10W	10V DC	1A	100 - 270V AC	>86%

AC Panel Meter

3 Phase Ampere & Volt Meter



Model		AMP-19	VOLT-19
Dimension (HxWxD)mm		96 x 96 x 43	96 x 96 x 43
Panel Cutout mm		92 x 92	92 x 92
INPUT	Current	0.5A to 5A Primary : 5A to 9999A AC CT Selection Secondary : 5A	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
Supply		230V AC $\pm 20\%$, 50Hz	100 to 270V AC/DC (SMPS), 50/60Hz

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 (SMPS) , 50/60Hz	230V AC $\pm 20\%$, 50Hz	100 to 270V AC/DC (SMPS) , 50/60Hz
Note		RS-485 Modbus Available in AVF-133 as per request		

Power & Energy Meters

DC Panel Meter

VOLT / AMP METER



Model	MFM-14DC		VAW-34DC
Dimension (HxWxD)mm	96 x 96 x 54		48 x 96 x 26
Panel Cutout mm	92 x 92		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 KW DC	0000 to 9999 KW DC
	Kwh	0 to 999999	NA
Accuracy	±1% of Full Range ±1 Count		
Power Supply	100 to 270V AC/DC (SMPS) , 50/60Hz		
Note	RS-485 Modbus & 2 Relay available on request (In MFM-14DC-M1)		



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

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		±1% of FSD	
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	

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

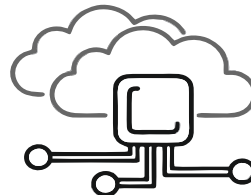
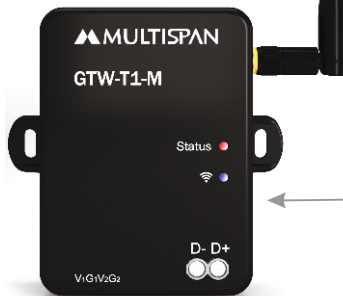
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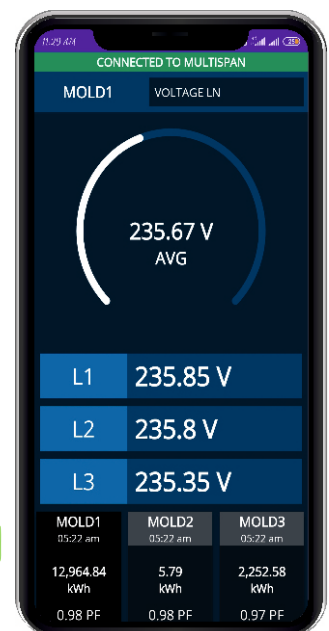
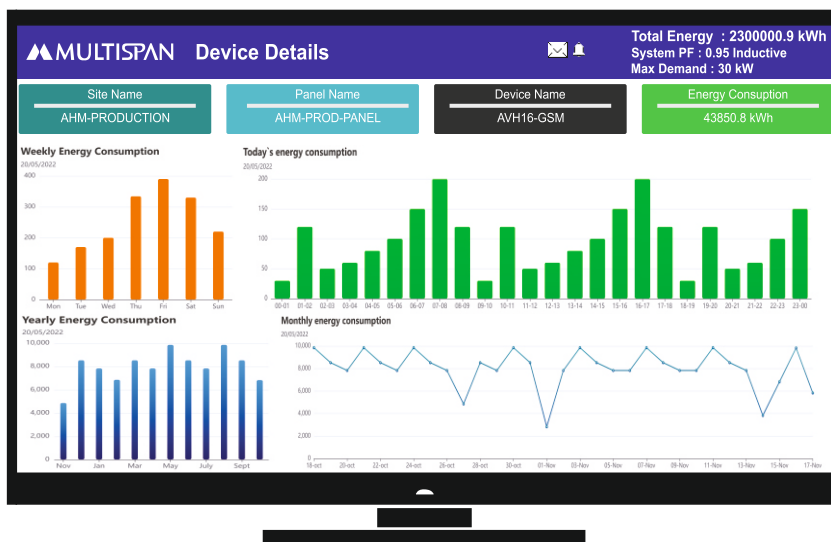
Energy Monitoring System Data Logging on Cloud



Cloud Storage

Gateway

Web application



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