



MEASUREMENT & CONTROL WITH OPTIMUM PERFORMANCE



Product Catalog
2026



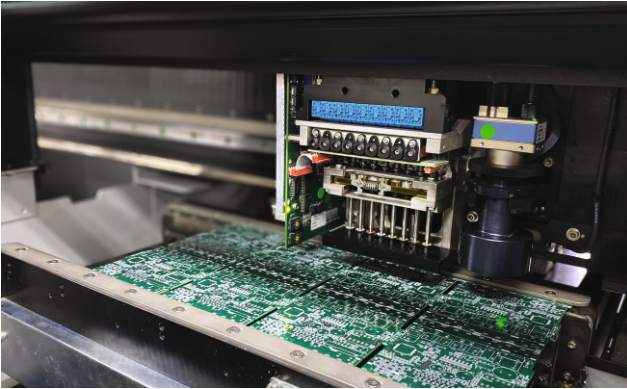
OUR FOCUS

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**

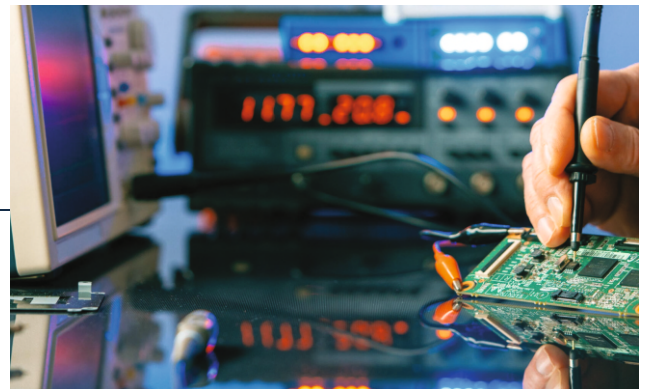


Plastic Enclosure **Manufacturing**



Testing & Quality **Control**

Reliability **Laboratory**



INFRASTRUCTURE

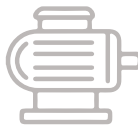
Established in 1986, Multispan has grown significantly as a professionally managed organization. The company has a proven track record of performance & quality of its products till date. Over the years, Multispan has developed proficiency in product design, product development & product testing, with 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.



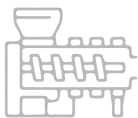
LT, HT Panel



Submersible Pumps &
Motor Panel



Power Distribution Panel



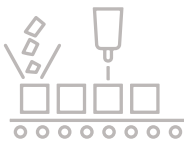
Extrusion Plants



Textile Machinery



Process Industries



Packaging Machinery



System Integration &
Automation



Lab Testing
Equipments



Food Processing



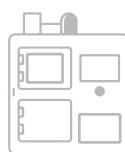
Pharmaceutical
Applications



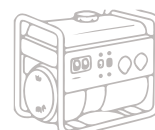
Printing Machinery



Boiler and Auxiliary
Equipments



Testing Chambers



DG Sets

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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 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 Voltage	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 - Earth Fault Relay
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
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



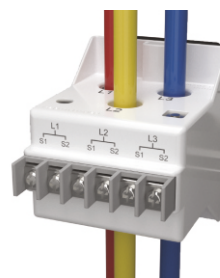
Model		ECT 35 / ECT 70D	ELR-35	ER-2K
Dimension (HxWxD)mm		76 x 40 x 105 / 115 x 42 x 141	90 x 35 x 61.5	90 X 35 X 62.5
Panel Cutout mm		Din Rail Mounting	Din Rail Mounting	Din Rail Mounting
INPUT	Range	30mA to 3A AC	30mA to 30A AC	30mA to 30A AC
OUTPUT		1 Relay (NO-C-NC) 5A, 230V AC Resistive Load	2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

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) 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



Model	CMR-232
Dimension (HxWxD)mm	72 x 72 x 85
Panel Cutout mm	68 x 68
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

Earth To Neutral Voltage



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) 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 550V AC, 50/60Hz

DINRAIL
MOUNT

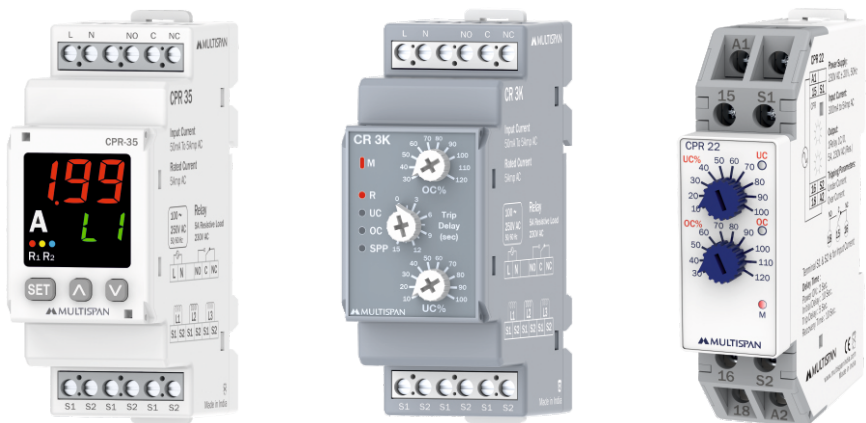


Model	VPR-35	VPR-33	VR-3K	VR-3KN
Dimension (HxWxD)mm	90 x 35 x 61.5	90 x 35 x 61.5	90 x 35 x 62.5	90 x 35 x 62.5
Mounting	Din Rail Mounting			
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire / 1Ø2 Wire	3Ø3 Wire	3Ø4 Wire
Voltage		50 to 330V AC (L-N), 85 to 550V AC (L-L)	160 to 300V AC (L-N), 260 to 520V AC (L-L)	280 to 520V AC (L-L)
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	1Ø2 Wire
	Current	0.05 to 5Amp (CT Selection 5/5 To 999/5 A 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 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



Model	PSR-17 / V22-RYB
Dimension (HxWxD)mm	90 x 22.5 x 59.5 / 90 x 22.5 x 62.5
Mounting	Din Rail Mounting
INPUT Voltage	154 to 500V AC / 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-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

DINRAIL MOUNT



1M
DIN Size



Model	VPR-17U
Dimension (HxWxD)mm	90 x 17.5 x 61
Mounting	Din Rail Mounting
INPUT	Input Voltage : 170 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

Time Switch



Model	TCS-35
Dimension (HxWxD)mm	90 x 35 x 62
Mounting	Din Rail Mounting
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
POWER SUPPLY	230V AC $\pm 10\%$

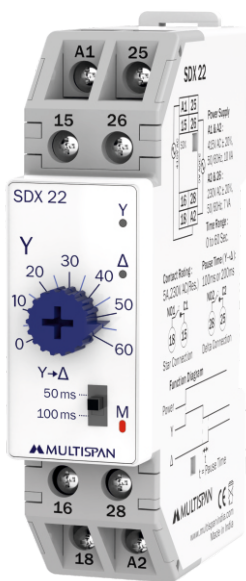
Model	UTR-35
Dimension (HxWxD)mm	90 x 35 x 61.5
Mounting	Din Rail Mounting
INPUT	Start Pulse Micro Switch, Proximity (Configurable)
Range	999, 99.9, 9.99 Hour / Min / Sec (Configurable)
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)
Operating Mode	Delayed ON / Delayed OFF / Cycle Mode (Configurable)
Counting Direction	UP / Down (Configurable)
Memory	YES / NO (Configurable)
Supply	100 - 270V AC (SMPS), 50/60Hz



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

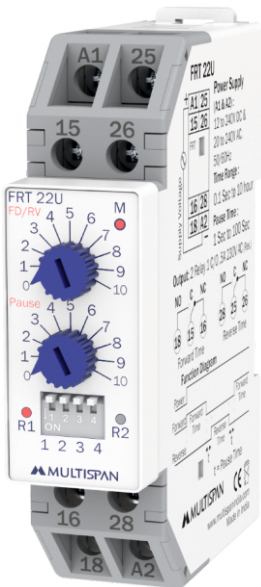
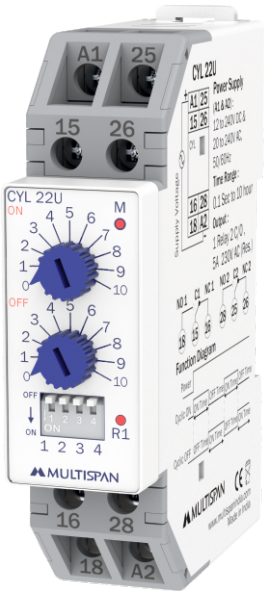
Din Rail Analog Timers

22 Timer Series



Model	SDX-22
Dimension (HxWxD)mm	Star Delta Timer
Mounting	90 x 22.5 x 64
INPUT	Din Rail Mounting
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

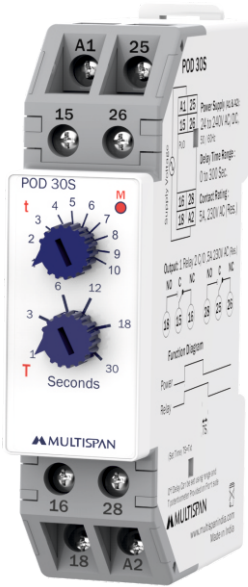
Model	CYL-22U
Dimension (HxWxD)mm	Cycle Timer (Universal Supply)
Mounting	90 x 22.5 x 72
INPUT	Din Rail Mounting
Range	0.1 Sec to 10 Sec / Min / Hour
OUTPUT	1 Relay 2C/O 5A, 230V AC (Resistive Load)
POWER SUPPLY	12V to 240V DC & 20V to 240V AC, 50/60Hz



Model	FRT-22U
Dimension (HxWxD)mm	Forward Reverse Timer (Universal Supply)
Mounting	90 x 22.5 x 72
INPUT	Din Rail Mounting
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

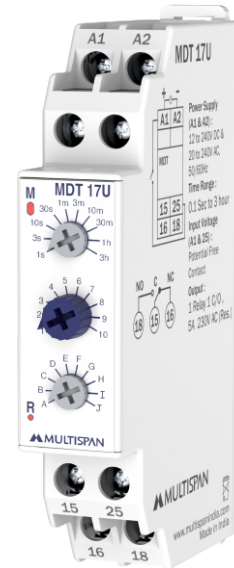
Din Rail Relays

22 Series



Model	POD-30S Power OFF Delay Timer
Dimension (HxWxD)mm	90 x 22.5 x 63
Mounting	Din Rail Mounting
INPUT	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

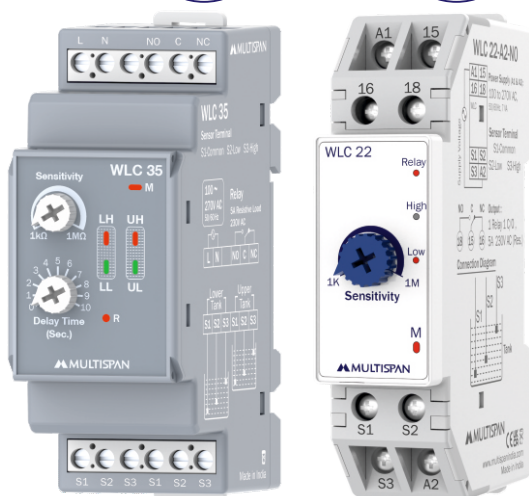
8CT

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

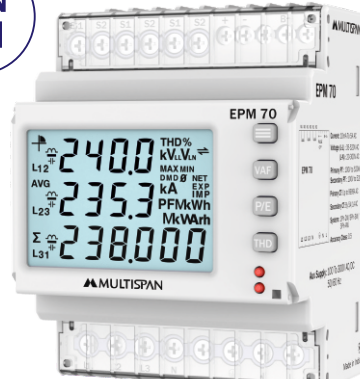


Model	DSM 14	DSM 11
Dimension (HxWxD)mm	96 x 96 x 54	96 x 96 x 54
Panel Cutout mm	92 x 92	92 x 92
INPUT	Signal	3Ø4 Wire / 3Ø3 Wire / 1Ø2 Wire + DG Input
	Voltage	Primary : 100V to 520kv (Programmable), Secondary : 100V to 520V (L-L) (Programmable)
	Current	Current : 5A to 9999A (Programmable), Secondary : 5A/1A (Programmable)
PARAMETER	Voltage - L-L, L-N & Average	Current - Phase, Average
	Power Factor - Per Phase & Average	Energy - Kwh, KVAh, KVArh
	Power - KW, KVA, KVAR (per phase and total)	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
2M



DIN
4M



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
	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 be connected in EPM-35	

Power & Energy Meters

Multifunction Meter with Harmonics



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 (Import & Export)	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 (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)	—
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



Model		AVH-16	MPD-194
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



Model		AVH-14	MFM-13
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
Measuring Range	Reset	KWH Reset by front key	By front keypad	Reset by front key
		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	
	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)
	Current	Primary CT : 9999A Secondary CT : 5A/1A	Primary CT : 9999A Secondary CT : 5A
PARAMETER	Voltage (L-L)	Average Voltage (L-N)	Voltage (L-L)
	Voltage (L-N)	Average Voltage (L-L)	Voltage (L-N)
	Average Current (L1,L2 & L3)	Frequency	Average Current (L1,L2 & L3)
	Line Current (L1,L2 & L3)	Load Hour / No Load Hour	Line Current (L1,L2 & L3)
	Phase Sequence	RPM	Phase Sequence
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



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 $\pm 20\%$, 50Hz	100 to 270V AC/DC (SMPS) , 50/60Hz
	Note	RS-485 Modbus is available in AMP-13	

3 PHASE VOLT METER



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)	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	100 to 270V AC/DC (SMPS) , 50/60Hz	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		
	Voltage (AC)	10 to 500V AC		
	Accuracy	Class 0.5		
	Supply	230V AC $\pm 20\%$, 50Hz	100 to 270V AC	230V AC $\pm 20\%$, 50Hz
	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		
	Voltage	10 to 500V AC		
	Accuracy	Class 0.5		
	Supply	100 to 270V AC/DC		
	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		
	Supply	100 to 270V AC/DC, 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
	Voltage	20 to 300V / 50 to 520V	300V AC (L-N)
Current	5A AC (CT Selection 5-9999A)	0.5 to 5Amp (CT Selection 5 - 9999A)	
CT Selection	5A AC	5A	
Secondary Function			
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



Model		MFM-142DC-M1	EDC-352
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	
	Watt (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)	2 Relay (NO-C),5A 230V AC (Resistive Load) & RS-485 Modbus
Accuracy		±0.5% of Full Range ±1 Count	±0.5% of Full Range ±1 Count
Power Supply		100 to 270V AC/DC (SMPS) , 50/60Hz	24 to 270V AC/DC (SMPS), 50/60Hz
Note		RS-485 Modbus available in MFM-142DC as per request	



Model		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		

Temperature Monitoring Relay

RS-485 Modbus & Data Logging with Pen Drive compatibility (USB)

Model		MS-5716RU-M1 
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

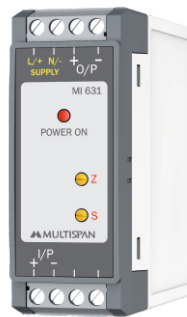


Touch
Screen

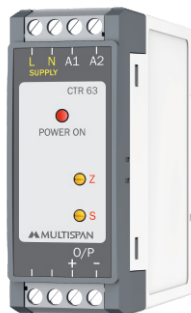
Model		MS-L14
Dimension (HxWxD)mm		96 x 96 x 71
Panel Cutout (mm)		92 x 92
INPUT	Sensor	J / K / PT-100 2 Wire or 3 Wire (Configurable)
	Analog	0-10V DC / 4-20mA DC / 0-20mA DC (Configurable)
	Range	J (0 °C - 600 °C), K (0 °C - 1200 °C), PT-100 2 Wire or 3 Wire (-99 °C - 400 °C, -99.9 °C - 400.0 °C)
OUTPUT	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

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	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)	

Process Control Instruments

Fault Annunciator

Upto 10 Fault Inputs & 2 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	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	

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	

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			

Cooling Controller



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 -50.0°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)	



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, 1 st Relay (NO-C) 20A for Compressor 2 nd Relay (NO-C-NC) 5A for Alarm	2 Relay, 1 st Relay (NO-C-NC) 10A for Compressor 2 nd 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)

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

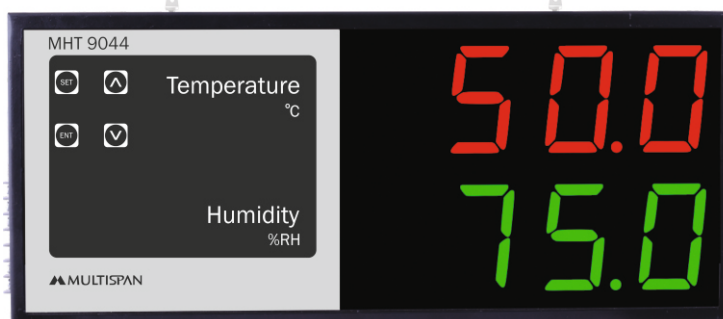


Model		PC-6006 (Single Side)
Dimension (HxWxD)mm		165 x 577 x 55
DISPLAY		Single Display : 7 Segment, 6 Digit, 4" Red Led Display
INPUT	Start Pulse	NPN / PNP Proximity Switch & Micro Switch (Configurable)
	Range	0 - 999999 Count
OUTPUT		1 Relay 1C/O 5A, 230V AC (Resistive Load) or SSR Drive O/P 12V DC, 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)

Jumbo Displays

Humidity + Temperature Controller

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		1 st Relay For Temperature and 2 nd 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

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%
PS15-8A	120W	15V DC	8A	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%

IIoT Solution

Data logging on cloud



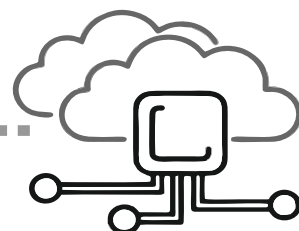
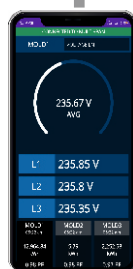
Built in Wireless Module



Gateway Modules



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
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Namibia
Nigeria
South Africa
Tunisia
Uganda

America & Oceania

Australia
Chile
Mexico



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