



PRODUCT CATALOGUE

Temperature Controller

Process Control Instruments

Programmable Timers

Programmable Counters

Power & Energy Meters

HMI & Programmable PLC

Din Rail Timer

GLOBAL
SOLUTIONS
FOR YOUR **MEASURING**

COMPANY PROFILE :

MISTURA TECHNOLOGIES is a manufacturer of Process Control & Automation Instruments for Applications in a wide range of Industries. MISTURA TECHNOLOGIES has always been persisting in technical innovation, products improvement, so as to provide our partner and customers with better products and services. On the hand, MISTURA TECHNOLOGIES also looks into the future to put in resources for developing next-generation products that meet various market demands and technologies.

MISTURA TECHNOLOGIES has been satisfying its customers with pride for many years with the experience, dedication and excellence in customer service. It is our company policy to conduct out business in a manner that gives full attention to providing the best service to our customer's and also giving courteous and efficient service on which you can depend on.

MISTURA TECHNOLOGIES has been providing customized turnkey complete automation solutions. Our long experience has resulted the perfection in designing & manufacturing with absolute control over quality maximum efficiency for the Automation Products and that's Why our spirit of Date to Commit.

QUALITY POLICY

MISTURA TECHNOLOGIES is committed to provide products meeting customer requirements on the to achieve more and more customer satisfaction. We will strive for ongoing improvements in all our activities by enhancing skills of all our employees through training and motivation.

We also commit to implement, maintain and continuously improve our quality management system as per ISO 9001:2008 standard and also commit to fulfill all applicable statutory and regulatory requirements.

MISSION :

To support our customer by providing superior products and services of exceptional value which help them gain competitive advantage in their industries.

VISION :

Vision in to offer the best possible range of automation products to their consumers grow how they can turn opportunities into reality.

DIGITAL TEMPERATURE INDICATORS

Fixed Input



MODEL	DTI-9611	DTI-7211	DTI-4911	DTI-4811
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 96 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 92	44 X 44
INPUT	Sensor: J/K/PT-100 2W/3W (Factory Set)			
	Range: J (0°C to 400°C OR 0°C to 600°C), K (0°C to 1200°C), PT-100 2W/3W (-50.0°C to 200.0°C, 0°C to 400°C)			
SPECIFICATION	Accuracy: ±1% of FSD			
	Supply: 230V AC ± 10%, 50Hz			
Note	Sensor input R & S are also possible as per customer's request.			

DIGITAL TEMPERATURE CONTROLLERS

Fixed Input



**CHILLER
CONTROLLER**

MODEL	DTC-9611	DTC-7211	DTC-4811	DTC-4911	CC-4000
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 48 X 95	48 X 96 X 85	36 X 76 X 72
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44	44 X 92	29 X 71
INPUT	Sensor: J/ K/ R/ S / PT-100 2W/3W (Factory Set)				NTC (Thermistor)
	Range: J (0°C to 400°C & 0°C to 600°C), K (0°C to 1200°C), PT-100 2W/3W (0°C to 400°C, -50.0°C to 200.0°C)				NTC (-40°C to 90°C)
OUTPUT	1 Relay 1C/O, 5A, 230V AC SSR 12VDC				1 Relay 1C/O, 15A, 230V AC (With Defrost Facility)
SPECIFICATION	Control Action: Time Proportional / ON-OFF (Factory Set)				ON-OFF (Cooling Mode)
	Accuracy: ±1% of FSD				
	Supply: 230V AC ± 10%, 50Hz				230V AC ± 10%, 50Hz
Note	In CC-4000 2 Relay for alarm purpose available as per requirement				

TEMPERATURE CONTROLLER

Single Display 4 Digit, PID - Economy Range



MODEL	UTC-9611S	UTC-7211S	UTC-4811S
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor J/ K/ PT-100 2W/3W (Configurable) Range J (0°C to 600°C), K (0°C to 1200°C) PT-100 2W/3W (-99°C to 400°C, -99.9°C to 400.0°C)		
OUTPUT	1 Relay 1C/O, 5A, 230V AC & SSR 12V DC Parallel (1 Set point)		
SPECIFICATION	Control Action PID / TP / ON-OFF (Configurable) Accuracy ±1% of FSD Supply 100-250V AC, 50/60 Hz		

TEMPERATURE CONTROLLER

Double Display, Autotune PID



MODEL	UTC-9611P	UTC-7211P	UTC-4811P
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor J/K/PT-100 2W/3W (Configurable) Range J (0°C to 600°C), K (0°C to 1200°C) PT-100 2W/3W (-99°C to 400°C, -99.9°C to 400.0°C)		
OUTPUT	1 Relay 1C/O, 5A, 230V AC & SSR 12V DC Parallel (1 Set point)		
SPECIFICATION	Control Action PID / ON-OFF (Configurable) Accuracy ±1% of FSD Supply 100-250VAC, 50/60 Hz		

TEMPERATURE CONTROLLER

Double Display, TP & ON/OFF Action



MODEL	UTC-9611	UTC-7211	UTC-4811
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor J/ K/ PT-100 2W/3W (Configurable) Range J (0°C to 600°C), K (0°C to 1200°C) PT-100 2W/3W (-99°C to 400°C, -99.9°C to 400.0°C)		
OUTPUT	1 Relay 1C/O, 5A, 230V AC & SSR 12V DC Parallel (1 Set point)		
SPECIFICATION	Control Action TP/ ON-OFF (Configurable) Accuracy ±1% of FSD Supply 100-250V AC, 50/60 Hz		

TEMPERATURE CONTROLLERS

Dual Output PID Controller -BASIC FEATURED



MODEL	PID-9611	PID-7211	PID-4811
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor J/K/PT-100 2W/3W (Configurable) Range J (0°C to 600°C), K (0°C to 1200°C) PT-100 2W/3W (-99°C to 400°C, -99.9°C to 400.0°C)		
OUTPUT	2 Relay 1C/O, 5A, 230V AC & SSR 12V DC Parallel (2 Set point) (Heat + Cool) (Factory Set)		
SPECIFICATION	Control Action PID / ON-OFF (Configurable) Accuracy ±1% of FSD Supply 100-250V AC, 50/60 Hz		

TEMPERATURE

TEMPERATURE CONTROLLERS

Dual Output PID Controller - FULL FEATURED



MODEL	PID-9612	PID-7212	PID-4812
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor J/K/PT-100 2W/3W (Configurable)		
	Range J (0°C to 600°C), K (0°C to 1200°C) PT-100 2W/3W (-99°C to 400°C, -99.9°C to 400.0°C)		
OUTPUT	2 Relay 1C/O, 5A, 230V AC & SSR 12V DC Parallel (2 Set point)		
SPECIFICATION	Operating Mode High / Low / Inband / Outband / Absolute Low / Absolute Outband Alarm (Configurable) + Soak Timer		
	Control Action PID / TP / ON-OFF (Configurable)		
	Accuracy ±1% of FSD		
	Supply 100-250V AC, 50/60 Hz		

HUMIDITY + TEMPERATURE CONTROLLER



MODEL	MHT-9612 (Humidity + Temp. Controller)	
Dimension (HxWxD) mm	96 X 96 X 50	
Panel Cutout (mm)	92 X 92	
INPUT	Sensor	S-1: PT-100/3W (RTD) S-2: Humidity Sensor
	Range	PT-100/3W (-99°C to 400°C) Humidity Sensor (5% to 95% RH)
OUTPUT	As per requirement	
SPECIFICATION	Control Action	ON-OFF
	Accuracy	±1% of FSD
	Supply	230V AC±10%, 50 Hz

TEMPERATURE CONTROLLER - UNIVERSAL

Double Display PID Controller - 3 Relay



MODEL	PID-7213C (With CT Module)	PID-7213
Dimension (HxWxD) mm	72 X 72 X 60	72 X 72 X 60
Panel Cutout (mm)	44 X 44	44 X 44
INPUT	Sensor	J/K/PT-100 (Configurable)
	Range	J (0°C to 600°C), K (0°C to 1200°C) PT-100 2W/3W (-99°C to 400°C, -99.9°C to 400.0°C)
	CT Input	CT Module (3 CT-30Amp Each)
OUTPUT	3 Relay 1C/O, 5A, 230V AC & SSR 12V DC (Factory Set)(3 Set point)	3 Relay 1C/O, 5A, 230V AC & SSR 12V DC (Factory Set)(3 Set point)
SPECIFICATION	Control Action	PID / ON-OFF (Configurable)
	Accuracy	±1% of FSD
	Supply	100-250V AC, 50/60 Hz

UNIVERSAL PROGRAMMABLE CONTROLLER

Auto Tune PID, RS-485 MODBUS Facility

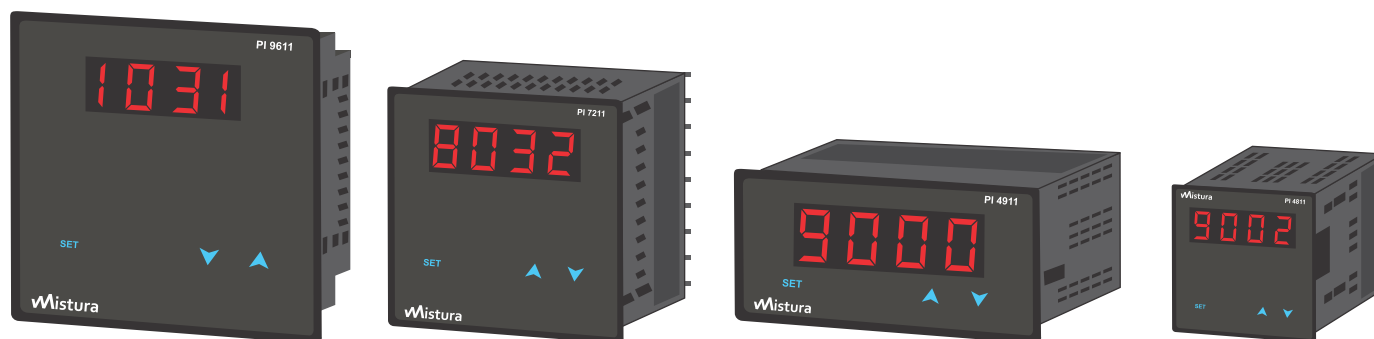


MODEL	PTC-9613	PTC-4813
Dimension (HxWxD) mm	96 X 96 X 50	48 X 48 X 95
Panel Cutout (mm)	92 X 92	44 X 44
INPUT	Input	J/K/PT-100/0-10 VDC/4-20mA/0-20mA 2W/3W (Configurable)
	Range	J (0°C to 600°C), K (0°C to 1200°C), PT-100 2W/3W (-99°C TO 400°C, -99.9°C TO 400.0°C) For Temperature Sensor -999 To 9999 for analog input
OUTPUT	Output 1	Relay/SSR (Factory Set)
	Output 2	Relay/SSR (Factory Set)
	Output 3	0-10V DC/4-20mA DC Controlling/Retransmission Output (Factory Set)
PC Communication	RS-485 MODBUS Communication	
SPECIFICATION	Control Action	PID / ON-OFF (Configurable)
	Accuracy	±1% of FSD
	Supply	100-250V AC, 50/60 Hz

PROCESS CONTROL INSTRUMENT

PROCESS INDICATORS

Full Featured



MODEL	PI-9611	PI-7211	PI-4911	PI-4811
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 96 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 92	44 X 44
INPUT	Sensor	0-10V DC/0-20mA DC/4-20mA DC (Configurable)		
	Range	-999 to 9999 (Configurable)		
RESOLUTION	0.000/00.00/000.0/0000 (Configurable)			
FEATURES	Correction Factor, Offset, Filtrations Rate, Reverse Scaling			
SUPPLY	100-250V AC, 50/60Hz			

PROCESS CONTROLLER (RS-485 AVAILABLE)



MODEL	PIC-9612	PIC-4912	PIC-4812
Dimension (HxWxD) mm	96 X 96 X 55	48 X 96 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	44 X 92	44 X 44
INPUT	Sensor	0 To 10V DC/4 To 20mA DC/ 0 To 20mA DC (Configurable)	
	Range	-999 to 9999 (Configurable)	
OUTPUT	Output 1	2Relay 5A, 230V AC	
	Output 2	24V DC transmitter Supply (Optional)	
	Output 3	4-20mA / 0-10mA Retransmission Output (Factory Set)(Optional)	
SPECIFICATION	Operating Mode	High / Low / Inband / Outband / Absolute Low / Absolute Outband Alarm (Configurable)	
	Accuracy	±1% of FSD	
	Supply	100-250V AC/DC SMPS, 50/60 Hz	

PROCESS CONTROL INSTRUMENT

FLOW RATE INDICATOR CUM TOTALISER With Retransmission & Excitation Facility



MODEL	MFC-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
INPUT	
Sensor	4 To 20mA DC / 0 To 10V DC / Pulse (Factory set)
Range	0 To 99999999 For Total Flow 0 To 9999 For Flow Rate
OUTPUT	
Output 1	4-20mA DC/0-10V DC Retransmission (Factory Set)
Output 2	24V DC Transmitter Supply
Output 3	1Relay / 2Relay ,5A,230V AC (On Total Flow or Flow Rate)
Output 4	RS-485 MODBUS Communication
Output 5	RS-232 PC or Printer Interface
SPECIFICATION	
Accuracy	±1% of FSD
Supply	100-250V AC/DC SMPS, 50/60 Hz
Note	All Output are optional

JUMBO DISPLAY INDICATORS Single & Double Side



MODEL	PI-2000/UTI-2000
Dimension (HxWxD) mm	160 X 380 X 50
INPUT	
Sensor	0-10V DC/4-20mA / 0-20mA (Configurable) , Pulse Through Encoder/Proximity, J/K/PT-100 2W/3W (Configurable) RS-485 MODBUS , Humidity Sensor
Range	-999 to 9999, 0 to 9999 Count, J (0°C - 400°C), K (0°C - 1200°C) , PT-100 (-99.9°C - 400.0°C), 0 to 100% RH for Humidity
OUTPUT	
Output 1	1Relay / 2 Relay for Alarm (Optional)
Output 2	24V DC Transmitter Supply for analog input (Optional)
SPECIFICATION	
Accuracy	±1% of FSD
Supply	100-250V AC, 50/60 Hz, 24V DC (Factory Set)
Note	1) For analog input model : PI-2000/PI-2000A 2) For Proximity / Encoder Input Model : MSI-2000/MSI-2000A 3) For Temperature Input Model : UTI-2000/UTI-2000A 4) For Humidity model : MHT-2000/MHT-2000A

PROCESS CONTROL INSTRUMENT

8 CHANNEL SCANNER WITH RS-485 MODBUS CONNECTIVITY

8 Channel Indicator




MODEL	MS-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
INPUT	
Sensor	J/K/PT-100/2W/3W 0-10V DC /4-20mA DC/0-20mA (Configurable)
Range	-999 to 9999 (For Analog I/P), J (0°C - 400°C), K (0°C - 1200°C) , PT-100 (-99.9°C - 400.0°C) (For Temperature I/P)
OUTPUT	
Output 1	RS-485 MODBUS Communication (Optional)
SPECIFICATION	
Accuracy	±1% of FSD
Supply	100-250V AC, 50/60 Hz

8 CHANNEL SCANNER WITH RS-485 MODBUS CONNECTIVITY

Upto 4 Relay Outputs, Data Logging with Pen Drive compatibility (USB)



MODEL	MS-9700		MS-9600
Dimension (HxWxD) mm	96 X 96 X 50		96 X 96 X 50
Panel Cutout (mm)	92 X 92		92 X 92
INPUT			
Sensor	J/K/PT-100 - 2W / 3W (Configurable)		0 To 10V DC/4 To 20mA DC/ 0 To 20mA DC (Configurable)
Range	J: 600°C, K: 1200°C , RTD PT 2W/3W : (-99°C to 400°C, -99.9°C to 400.0°C)		-999 To 9999 (Configurable)
OUTPUT			
Output 1	4 Relay with grouping facility		4 Relay with grouping facility
Output 2	RS 485 MOBUS Communication (Optional)		RS 485 MOBUS Communication (Optional)
Output 3	USB Port, Pen drive compatible (Optional)		
SPECIFICATION			
Control Action	ON/OFF Action		
Accuracy	±1% of FSD		
Supply	100-250V AC/DC SMPS, 50/60 Hz		

PROGRAMMABLE TIMER
Universal Range - 1Relay output



MODEL	UTR-9611	UTR-7211	UTR-4811
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 60	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor	Micro Switch / Limit Switch / Proximity (Configurable)	
	Range	99.99 / 999.9 / 9999 Sec/Min/Hrs (Configurable)	
OUTPUT	1 Relay, 2C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)		
SPECIFICATION	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	100-250V AC, 50/60 Hz	

FORWARD REVERSE TIMER
(Laundry Timer)



MODEL	FRT-9611	FRT-7211	FRT-4811
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 85	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor	Micro Switch / Limit Switch / Proximity (Configurable)	
	Range	99.99 / 999.9 / 9999 Sec/Min (Configurable)	
OUTPUT	1 Relay, 2C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)		
SPECIFICATION	Operating Mode	Forward / pause / reverse mode (Configurable)	
	Count Direction	Up / Down (Configurable)	
	Memory	Yes / No (Configurable)	
	Reset	Front & Back Both Reset Available	
	Supply	230vac, ± 10% 50hz	

DIGITAL PRESETABLE TIMER

Thumbwheel Setting



MODEL	DT-9611	DT-7211	DT-4811
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 60	48 X 48 X 102
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
Range	999 , 99.9 Min / Sec (Configurable)		
Output	2C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)		
SPECIFICATION	Reset Mode Auto / Manual Operation Mode Delayed ON / Delayed OFF (Configurable) Counting Direction UP / DOWN (Configurable) Memory YES / NO (Configurable) Supply 230V AC \pm 10%, 50Hz (Linear Power Supply)		

DIGITAL PRESETABLE TIMER

Fix Range-Thumbwheel Setting



MODEL	DT-9612	DT-7212	DT-4812
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 60	48 X 48 X 102
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
Range	999 , 99.9 Min / Sec / Hrs (Configurable)		
Output	2C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)		
SPECIFICATION	Reset Mode Auto / Manual Operation Mode Delayed ON / Delayed OFF (Configurable) Counting Direction UP / DOWN (Configurable) Memory YES / NO (Configurable) Supply 230V AC \pm 10%, 50Hz (Linear Power Supply)		

SEQUENTIAL TIMER

8 Channel With Cascading Facility For 8 + 8 Outputs



MODEL	SQT-9611 (Sequential Timer)
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
RANGE	Range 99.99 Sec / 999.9 Sec / 99.59 Min / 999.9 Min / 99.59 Hrs / 999.9 Hrs (Configurable)
OUTPUT	8 Relay, 1C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)
SPECIFICATION	Operating Mode Delayed ON/Instant ON/Cycle Mode (Configurable) Count Direction Up / Down (Configurable) Memory Yes / No (Configurable) Reset Front & Back Both Reset Available Supply 100-250V AC, 50/60 Hz
NOTE	Cascading facility available in SQT- 9611 Sequential timer up to 1 + 3 parallel

4 CHANNEL SEQUENTIAL TIMER



MODEL	MDT-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
RANGE	Range 99.99 / 999.9 / 9999 Sec/Min/Hrs (Configurable)
OUTPUT	4 Relay, 1C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)
SPECIFICATION	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 100-250V AC, 50/60 Hz
NOTE	SSR output is available on request

PROGRAMMABLE TIMER
 Universal Range - 1Relay output



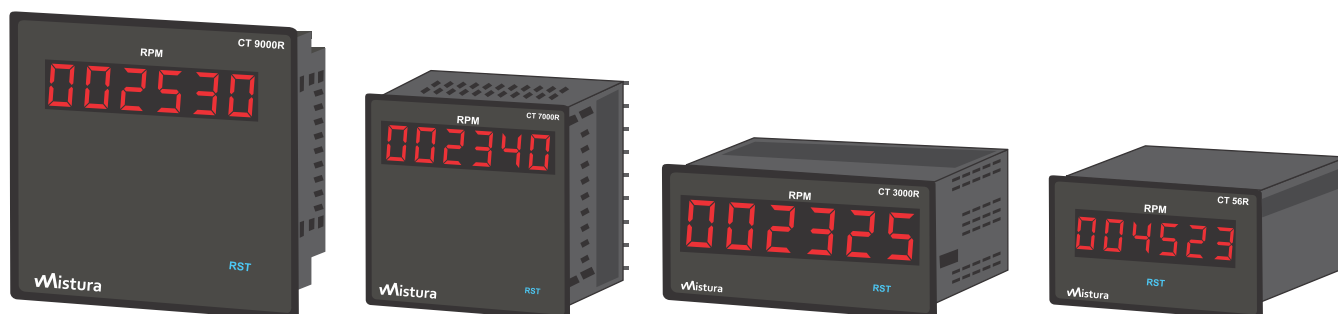
MODEL	CT-9000T	CT-7000T	CT-3000T	CT-56T
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 96 X 85	38 X 62 X 75
Panel Cutout (mm)	92 X 92	68 X 68	44 X 92	31 X 54
Range	1) 9999.59 hr/min. 2) 9999.59 min/sec 3) 999999 hr 4) 999999 Min 5) 999999 sec (Configurable)			
Input	Micro Switch/ Limit Switch / Proximity Switch / 230V AC (Factory Set)			
SPECIFICATION	Supply 230V AC \pm 10%, 50Hz (Linear Power Supply)			

DIN RAIL TIMER



Model	Description	Supply Voltage	Time Range	Output
R100	On Delay Timer	230VAC/415VAC (Optional)	0-60 Sec	1 Relay 1 C/O
R100A	On Delay Timer	230VAC/415VAC (Optional)	0-30 Sec	1 Relay 1 C/O
SD100	Star Delta Timer	230VAC/415VAC (Optional)	Run Up Time : 0-30 / 0-60 Sec Change Time : 50/100 ms	2 Relay 1 each for star & Delta
MQ100	On Delay / Interval Timer	230VAC & 24V AC/DC	3/10/30/60 Sec / Min	1 Relay 1 C/O
XA100	On Delay / Interval Timer (Universal Supply)	20VAC to 250VAC 12VDC to 250VDC	3/10/30/60 Sec / Min	1 Relay 2 C/O
XU100	On Delay / Interval Timer (Universal Supply)	20VAC to 250VAC 12VDC to 250VDC	1/3/10/30 Sec / Min / Hr	1 Relay 2 C/O
M100	On Delay / Interval Timer	230VAC / 415VAC (optional)	1/3/10/30 Sec / Min / Hr	2 Relay 2 C/O
C100	Cyclic Timer	230VAC / 415VAC (optional)	1/10 Sec/Min/Hr For both ON & OFF	2 Relay
C100	Cyclic Timer (Universal Supply)	20VAC to 250VAC 12VDC to 250VDC	1/10 Sec/Min/Hr For both ON & OFF	1 Relay 2 C/O
XMR100	Forward Pause Reverse Timer	230VAC / 415VAC (optional)	Forward & Reverse Time : 1/2/4/8 min Pause Time : 10/20/40/80 Sec	2 Relay, each for Forward & Reverse
PSR100	Phase Sequence Relay (SPP)	3 Phase / 3W 150-500VAC (L-L)	Power On Delay 100 ms	1 Relay

DIGITAL RPM INDICATOR



MODEL	CT-9000R	CT-7000R	CT-3000R	CT-56R
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 96 X 85	38 X 62 X 85
Panel Cutout (mm)	92 X 92	68 X 68	44 X 92	31 X 54
INPUT	Sensor NPN/PNP Proximity Switch (Configurable)			
	Range 4 - 5000 RPM			
SPECIFICATION	Supply 230V AC ± 10%, 50Hz			

DIGITAL COUNT TOTALISER



MODEL	CT-9000	CT-7000	CT-3000	CT-56G
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 96 X 85	38 X 62 X 85
Panel Cutout (mm)	92 X 92	68 X 68	44 X 92	31 X 54
INPUT	Sensor NPN/PNP Proximity Switch / Micro Switch (Configurable). 230V AC Pulse / Encoder (Any on factory set)			
	Range 0 To 999999 Count			
SPECIFICATION	Memory Non-Volatile Memory			
	Reset Manual Reset, Back Reset (Optional)			
	Supply 230V AC ± 10%, 50Hz			

DIGITAL PRESETABLE COUNTER With Thumbwheel Setting



MODEL	PC-9611	PC-7211
Dimension (HxWxD) mm	96 X 96 X 50	72 X 72 X 85
Panel Cutout (mm)	92 X 92	68 X 68
INPUT	Sensor NPN/PNP Proximity switch / Micro Switch (Configurable) / 230V AC Pulse / Encoder (Factory Set)	
	Range 0 To 9999	
OUTPUT	1 Relay, 2C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)	
SPECIFICATION	Operating Mode Delayed ON/Delayed OFF (Configurable)	
	Count Direction Up / Down (Configurable)	
	Memory Yes / No (Configurable)	
	Speed Selection Low, Medium, Fast (Configurable)	
	Supply 230V AC ± 10%, 50/60Hz	

DIGITAL PROGRAMMABLE COUNTER



MODEL	PC-9612	PC-7212	PC-4812
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor NPN/PNP Proximity Switch / Micro Switch (Configurable) / 230V AC Pulse / Encoder (Factory Set)		
	Range 0 - 9999 Count		
OUTPUT	1 Relay, 2 C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)		
SPECIFICATION	Count Direction Up / Down (Configurable)		
	Memory Yes / No (Configurable)		
	Reset Auto / Manual Reset / Reset at back		
	Supply	230V AC ± 10%, 50Hz	100-250V AC, 50/60 Hz
Note	Double set point & Scale factor Available on customer request		

DIGITAL BATCH COUNTER



MODEL	BC-9611	BC-7211	BC-4811
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor NPN/PNP Proximity Switch / Micro Switch (Configurable) / 230V AC Pulse (Factory Set)		NPN/PNP Proximity Switch / Micro Switch / 230V AC Pulse (Factory Set)
RANGE	Range Upper display range (0 -999999 Count) Lower display range (0 -9999)		Upper display range (0 -9999 Count) Lower display range (0 -9999)
OUTPUT	1 Relay+Buzzer / SSR + Buzzer		
SPECIFICATION	Memory Non-Volatile Memory Reset Auto / Manual reset / back reset		
	Supply 230V AC ± 10%, 50Hz		100-250V AC, 50/60 Hz SMPS

DIGITAL LENGTH COUNTER

With Proximity / Dual Channel Encoder Input



MODEL	LC-9611	LC-7211	LC-4811
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 48 X 95
Panel Cutout (mm)	92 X 92	68 X 68	44 X 44
INPUT	Sensor NPN/PNP Proximity Switch (Configurable) / Encoder (Factory set)		
RANGE	0-99999.9 / 0-999999 Meter (Configurable)		0-9999.9 / 0-9999 Meter (Configurable)
OUTPUT	1 Relay, 1C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)		
SPECIFICATION	MPM Range 999.9 MPM Diameter 0-9999.99 MM Memory Non-Volatile Memory Reset Auto/Manual reset facility & front and back reset facility		
	Supply 230V AC ± 10%, 50Hz		100-250V AC, 50/60 Hz

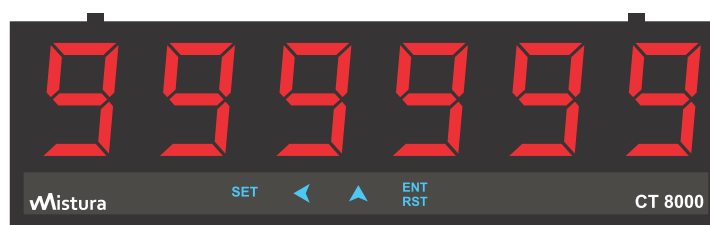
PROGRAMMABLE COUNTER

Counter + Rpm



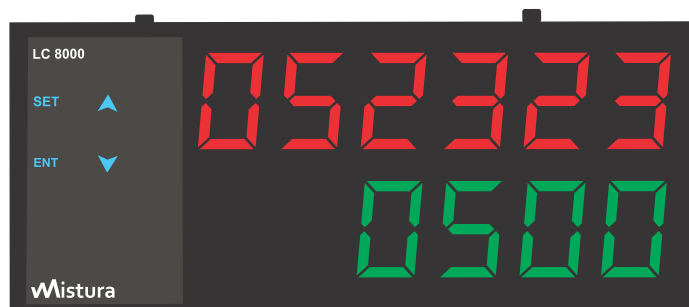
MODEL	MMC-9611	MMC-7211
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60
Panel Cutout (mm)	92 X 92	68 X 68
INPUT	Sensor	NPN/PNP Proximity switch / Micro Switch (Configurable) / 230V AC Pulse(Factory Set)
	Range	Upper Display Range: (0-999999 Count) , Lower Display Range: (0-9999 RPM)
OUTPUT	Output	1 Relay, 1C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)
SPECIFICATION	Memory	Non-Volatile Memory
	Reset	Auto / Manual Reset / Back reset
	Supply	230V AC \pm 10%, 50Hz

PROGRAMMABLE JUMBO DISPLAY



MODEL	CT-8000	
Dimension (HxWxD) mm		
Display	Single Display: 7 Segment, 6 Digit, 4" Red Led Display	
INPUT	Sensor	NPN/PNP Proximity switch (Configurable) & Micro Switch
	Range	0-999999 Count
OUTPUT	Output	1 Relay, 1C/O, 5A , 230V AC, 12V DC SSR Output (Optional)
SPECIFICATION	Memory	Non-Volatile Memory
	Reset	Auto / Manual Reset / Back reset
	Supply	230V AC \pm 10%, 50Hz
Note	RS-485 input available as per request	

PROGRAMMABLE JUMBO LENGTH COUNTER



MODEL	LC-8000
Dimension (HxWxD) mm	160 X 375 X 70
Display	Upper: 7 Segment, 6 Digit, 2.25" Red Led Display - Total Meters Lower: 7 Segment, 4 Digit, 2.25" Green Led Display - Meter Per Minute
INPUT	
Sensor	NPN/PNP Proximity Switch (Configurable) / Encoder (Factory set)
RANGE	0-99999.9 / 0-999999 Meter (Configurable)
OUTPUT	1 Relay, 1C/O, 5A , 230V AC, 12V DC SSR Output (Any one factory set)
SPECIFICATION	
MPM Range	999.9 MPM
Diameter	0-9999.99 MM
Memory	Non-Volatile Memory
Reset	Auto/Manual reset facility & front and back reset facility
Supply	100-250V AC, 50/60 Hz
Note	RS-485 input available as per request

SINGLE PHASE AC PANEL METER

VOLT / AMP meter



MODEL	DVM-9611/DAM-9611	DVM-7211/DAM-7211	DVM-4911/DAM-4911
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 96 X 85
Panel Cutout (mm)	92 X 92	68 X 68	44 X 92
INPUT	5A AC Direct		
Ampere (AC)	Primary: 5/5 to 4000/5A AC		
CT Ratio	0 to 500V AC		
Volatge (AC)			
SPECIFICATION	Class 1.0		
Accuracy	230V AC ±10%, 50Hz		
Power Supply			
Note	30A AC Direct CT Available at back side		

SINGLE PHASE AC PANEL METER

VOLT + AMP meter



MODEL	AV-9611	AV-7211	AV-4911
Dimension (HxWxD) mm	96 X 96 X 42	72 X 72 X 60	48 X 96 X 85
Panel Cutout (mm)	92 X 92	68 X 68	44 X 92
INPUT	CT Ratio selection upto 2000/5 Amp		
Current Input	0 to 500V AC		
Voltage Input			
SPECIFICATION	Class 1.0		
Accuracy	230V AC ±10%, 50Hz		
Power Supply			
Note	30A AC Direct CT Available at back side		

3 PHASE PANEL METER AVF Meter



MODEL	AVF-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
INPUT	Input Signal Voltage Current
PARAMETER	3Ø 4 Wire / 3Ø 3Wire / 1Ø 2 Wire 300V AC (L-N) / 520V AC (P-P) 5/5A to 6000/5A CT Ratio Selectable
SPECIFICATION	Accuracy Power Supply
	Voltage (P-P), Voltage (P-N), Average Voltage (P-P), Average Current (R,Y & B), Average Voltage (P-N) Line Current (R,Y & B), Frequency, RPM, Load Hour, No Load Hour
	Class 1.0 230V AC ±10%, 50Hz

3 PHASE PANEL METER VOLT/AMP meter



MODEL	VOLT-9611	AMP-9611
Dimension (HxWxD) mm	96 X 96 X 50	96 X 96 X 50
Panel Cutout (mm)	92 X 92	92 X 92
PARAMETERS	Input Signal Voltage (AC) Ampere (AC)	3Ø / 3 Wire 3Ø / 3 Wire
SPECIFICATION	Accuracy Power Supply	0 to 6000/5A AC
	Class 1.0 230V AC ± 10%, 50Hz	

3 PHASE ENERGY & POWER METER



MODEL	EPM-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
INPUT	
Input Signal	3Ø 4 Wire
Voltage	230V AC
Current	5/5 to 4000/5A AC
SPECIFICATION	
Reset	By front Keypad
Measuring Range	0.000 to 9999 kW (Active power) 0 to 999999 kWh (Active energy)
Accuracy	Class 1.0
Power Supply	230V AC ± 10%, 50Hz

SINGLE PHASE PANEL METER

Watt Meter



MODEL	WM-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
INPUT	
Input Signal	1Ø 2 Wire
Voltage	300V AC (L-N)
Current	5 - 50A
CT Selection Secondary Function	5A/1A (Configurable)
SPECIFICATION	
Measuring Range	0 to 1250 Watts
Accuracy	Class 1.0
Power Supply	230V AC ± 10%, 50Hz
Note	Also available in 199.9 Watt Range 1 Relay on KW is available in WM-11

SINGLE PHASE POWER FACTOR METER



MODEL	PF-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
INPUT	
Input Signal	1Ø 2 Wire, 230V AC, 50Hz, 5A AC
SPECIFICATION	
Accuracy	Class 1.0
Power Supply	230V AC ±10%, 50Hz

PROTECTION DEVICE - 3 PHASE



MODEL	MPD-9611A	MPD-9611
Dimension (HxWxD) mm	96 X 96 X 50	96 X 96 X 50
Panel Cutout (mm)	92 X 92	92 X 92
INPUT		
Input Signal	3Ø 4 Wire	3Ø 4 Wire
Voltage		0 - 415V AC (P-P)
Current	5 - 2000A	5 - 2000A
PARAMETER		
	Over Current, Under Current, Single Phase Unbalance, Short Circuit, Lock Rotor Point	Over Current, Under Current, Single Phase, Unbalance, Short Circuit, Lock Rotor Point, Over Voltage, Under Voltage
SPECIFICATION		
Accuracy	Class 1.0	
Power Supply	230V AC ± 10%, 50Hz	

SINGLE PHASE - CURRENT CONTROLLER



MODEL	CC-9611	CC-9612
Dimension (HxWxD) mm	96 X 96 X 50	96 X 96 X 50
Panel Cutout (mm)	92 X 92	92 X 92
INPUT		
Input Signal	1Ø 2Wire	
Current	5 - 1600A	
PARAMETER		
Tripping Facility	High / Low / Inband / Outband / Absolute Low / Absolute Outband Alarm (Configurable)	
Accuracy	±1% of FSD	
Power Supply	100-250V AC/DC, 50/60 Hz, SMPS	

MULTI FUNCTION METER

With RS-485 MODBUS



MODEL	AVH-9611
Dimension (HxWxD) mm	96 X 96 X 50
Panel Cutout (mm)	92 X 92
INPUT	
Input Signal	3Ø 3 Wire / 3Ø 4Wire
Voltage	300V AC (L-N) / 520V AC (P-P)
Current	5/5A to 6000/5A CT Ratio Selectable
PARAMETER	
Voltage (L-L)	50 - 500V AC
Voltage (L-N)	30 - 300V AC
Current (~A)	5/5A to 6000/5A CT Ratio Selectable
KW Total	0.000 - 9999 KW
KW Per Phase	0.000 - 9999 KW
KWH Total	000.000 - 999999 KWH
Power Factor Average (PF)	0.100 - 1.000
Power Factor per phase (PF)	0.100 - 1.000
KVA Total	0.000 - 9999 KVA
Frequency (Hz)	45 - 65 Hz
KVAr Total	0.000 - 9999 KVAr
Load hours	9999.59 Hrs/Min.
No load hours	9999.59 Hrs/Min.
RPM	1500 RPM
COMMUNICATION	
	RS-485 MODBUS (Optional)
SPECIFICATION	
Accuracy	Class 1.0
Power Supply	230V AC ±10%, 50Hz

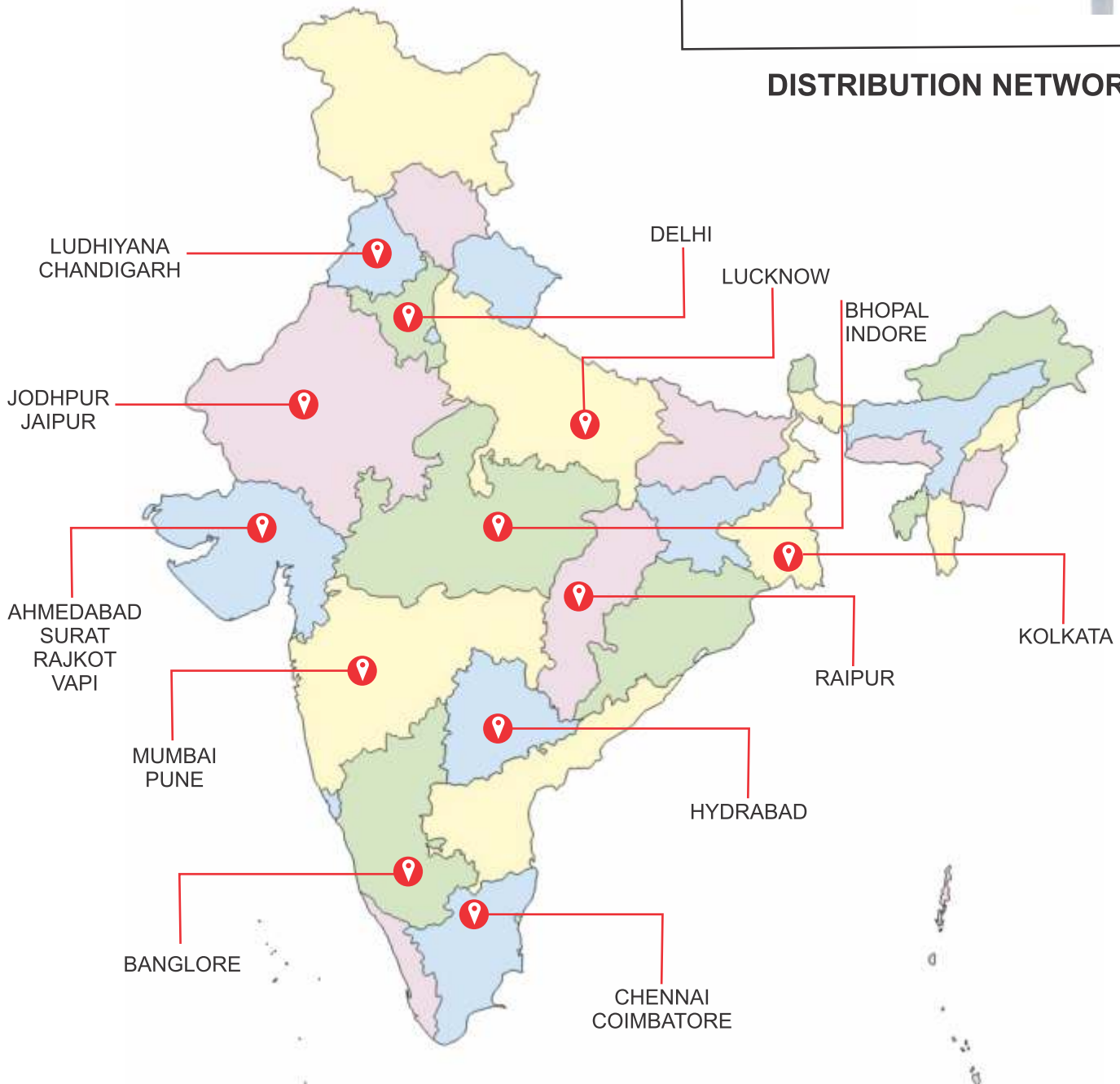
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PRODUCT MODEL	DESCRIPTION
FPI-1000	Flame Proof Indicator Input: Temperature sensor/ Analog type / Proximity sensor
MHT-9611	Single Display Humidity Controller Size: 96x96x50 mm- Panel mount Input: Humidity sensor, Output: 1R2C/O
MHT-8000	Jumbo Display (Humidity + Temperature) Size: 375x160x70 mm Input: Humidity Sensor + PT-100/3W, Output: 2 Relay (Optional)
LRO-9611	LRO Controller For Hydraulic Shearing Machine Size: 96x96x55 mm- Panel mount Input: Limit switch(230V AC Pulse), Counter switch (230V AC Pulse) Output: R1 for Rack Down, R2 for Rack Up to set Rack Angle, R3 for Counter
DRO-9611	DRO Controller For Hydraulic Shearing Machine Size: 96x96x55 mm- Panel mount Input: Bi-Directional NPN Encoder, 230V AC Pulse for Home position & lock reading Output: 2 Relay,230V AC @ 5Amp For Forward & Reverse Motor

CERTIFICATE



DISTRIBUTION NETWORK





- ▶ Temperature Controller ▶ Process Control Instruments ▶ Programmable Timers
- ▶ Programmable Counters ▶ Power & Energy Meters ▶ Din Rail Timer ▶ PICs