



# MRP Price List

with effect from

**1<sup>st</sup> April 2026**

## TEMPERATURE CONTROLLERS

TEMPERATURE INDICATOR (HSN - 90303390)			
Model	Size (H X W X D)mm	MRP	Item Description
TI-11	90 X 90 X 42	995	Fixed input : J,K,Pt-100 Supply : 100-270V AC
TI-21	72 X 72 X 60	995	
TI-31V	96 X 48 X 85	1130	
TI-41	48 X 48 X 70	995	
UTI-38	48 X 96 X 67	1060	Universal input : J,K,PT-100 Supply : 100-270V AC
<b>Note : For R &amp; S type input Extra on MRP</b>		325	

HEATER INDICATOR (HSN - 90303390)			
Model	Size (H X W X D)mm	MRP	Item Description
MHI-2024	72 X 72 X 75	965	4 zone heater indicator
MHI-2006	72 X 72 X 75	1725	6 zone heater indicator
MHI-2014	72 X 72 X 75	965	4 zone heater indicator with separate aux supply

BLIND TEMPERATURE CONTROLLER (HSN - 90328910)			
Model	Size (H X W X D)mm	MRP	Item Description
MCO-1501	96 X 96 X 55	1070	Input : J type Output : 1 Relay Control action : ON-OFF Supply : 230V AC
MCO-2501	72 X 72 X 75	1070	

TEMPERATURE CONTROLLER WITH KNOB (HSN - 90328910)			
Model	Size (H X W X D)mm	MRP	Item Description
MDC-11	96 X 96 X 55	1540	Input : J/K/PT-100 (Factory Set) Output : 1 Relay Control action : ON-OFF Supply : 230V AC
MDC-2911	72 X 72 X 75	1540	

PUSH TO SET TEMPERATURE CONTROLLER (HSN - 90328910)			
Model	Size (H X W X D)mm	MRP	Item Description
MDC-1901	96 X 96 X 100	2070	Input : J/K/PT-100 (Factory Set) Output : 1 Relay Control action : ON-OFF/TP (Factory Set) Supply : 230V AC
MDC-2901	72 X 72 X 120	2070	

BLIND DIN RAIL PID CONTROLLER (HSN - 90328910)			
Model	Size (H X W X D)mm	MRP	Item Description
UTC-1X(Master Module)	76 X 27 X 85	2100	Input : J/K/PT-100 (Configurable) Output : 2 Relay or SSR + RS-485 Modbus Control action : PID/TP/ON-OFF (Configurable) Supply : 24V DC
UTC-2X(Slave Module)	76 X 27 X 85	2100	
TC-1X(Master Module)	76 X 27 X 85	1950	Input : J/K (Configurable) Output : 1 Relay or SSR + RS-485 Modbus Control action : PID/TP/ON-OFF (Configurable) Supply : 24V DC
TC-1X(Slave Module)	76 X 27 X 85	1950	

<b>COOLING CONTROLLER (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
CC-510	37 X78 X 70	1375	Input : NTC Sensor Output : 1 Relay (10Amp), with auto defrost facility Supply : 230V AC OR 12V DC OR 24V DC
CC-510T	37 X78 X 70	1450	
CC-520	37 X78 X 70	1475	Input : NTC Sensor Output : 1 Relay (20Amp), with auto defrost facility Supply : 230V AC OR 12V DC OR 24V DC
CC-520T	37 X78 X 70	1550	
CC-552	37 X78 X 70	2145	Input : NTC Sensor Output : 2 Relay for Compressor Supply : 230V AC OR 12V DC OR 24V DC
CC-512	37 X78 X 70	1815	Input : NTC Sensor Output : 1 Relay (10Amp) + 1 Alarm Relay, with auto defrost facility Supply : 230V AC OR 12V DC OR 24V DC
CC-515	37 X78 X 70	1870	Input : NTC Sensor Output : 1 Relay (10Amp) + 1 Alarm Buzzer, with auto defrost facility, With Buzzer Supply : 230V AC OR 12V DC OR 24V DC
CC-522	37 X78 X 70	2035	Input : NTC Sensor Output : 1 Relay (20Amp) + 1 Alarm Relay, with auto defrost facility Supply : 230V AC OR 12V DC OR 24V DC
CC-525	37 X78 X 70	2090	Input : NTC Sensor Output : 1 Relay (20Amp) + 1 Alarm Buzzer, with auto defrost facility, With Buzzer Supply : 230V AC OR 12V DC OR 24V DC
CC-521	37 X78 X 70	2090	Input : NTC Sensor Output : 1 Relay (20Amp) + 1 Relay for Heater, with auto defrost facility Supply : 230V AC OR 12V DC OR 24V DC
CC-524	37 X78 X 70	3050	Input : 2 NTC Sensor + Digital Input Output : 3 Relay (Compressor + Defrost + Fan) Supply : 230V AC OR 12V DC OR 24V DC
CC-548	37 X78 X 70	2450	Input : NTC Sensor + Digital Input Output : 1 Relay (20Amp) + 1 Alarm Relay, with auto defrost facility Supply : 230V AC OR 12V DC OR 24V DC

<b>SINGLE DISPLAY TEMPERATURE CONTROLLER (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
TC-19	96 X 96 X 43	1430	Input : J/K/PT-100 (Factory set) Output : 1 Relay     SSR Control action : ON-OFF/TP (Factory Set) Supply : 100-270V AC
TC-29	72 X 72 X 45	1430	
TC-49	48 X 48 X 70	1430	Input : J/K (Configurable), PT-100 (Factory set) Output : 1 Relay     SSR Control action : ON-OFF/TP (Configurable) Supply : 100-270V AC
TC-39H	48 X 96 X 75	1150	Input : J/K/PT-100 (Factory set) Output : 1 Relay Control action : ON-OFF/TP (Factory Set) Supply : 230V AC
TC-510	37 X 78 X 70	2050	Input : J/K (Configurable) ,PT-100 (Factory Set), Output : 1 Relay     SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
TC-512	37 X 78 X 70	2775	Input : J/K (Configurable) ,PT-100 (Factory Set), Output : 2 Relay Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC

<b>SINGLE DISPLAY PID CONTROLLER (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
TC-29P	72 X 72 X 45	1485	Input : J/PT-100 (Factory Set), Output : 1 Relay    SSR Control Action : PID/TP/ON-OFF (Configurable) Supply : 230V AC
TC-49P	48 X 48 X 70	1485	Input : J/K (Configurable) ,PT-100 (Factory Set), Output : 1 Relay    SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
<b>SINGLE DISPLAY UNIVERSAL INPUT PID CONTROLLER - 3 DIGIT (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
UTC-413P	48 X 48 X 70	1645	Input : J/K/PT-100 (Configurable) Output : 1 Relay    SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC/DC
<b>SINGLE DISPLAY UNIVERSAL INPUT PID CONTROLLER - 4 DIGIT (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
UTC-114	96 X 96 X 43	1690	Input : J/K/PT-100 (Configurable) Output : 1 Relay    SSR
UTC-214	72 X 72 X 45	1690	Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
<b>DOUBLE DISPLAY UNIVERSAL INPUT PID CONTROLLER SINGLE RELAY (3+3 DIGIT) (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
UTC-121P	96 X 96 X 43	1985	Input : J/K/PT-100 (Configurable)
UTC-221P	72 X 72 X 45	1985	Output : 1 Relay    SSR
UTC-421P	48 X 48 X 70	1985	Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
<b>DOUBLE DISPLAY FIX INPUT PID CONTROLLER (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
TC-221P	72 X 72 X 45	1800	Input : J Type Output : 1 Relay    SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
TC-44	48 X 48 X 70	1800	Input : PT-100 Output : 1 Relay    SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
TC-421P	48 X 48 X 70	1800	Input : J/K (Configurable) Output : 1 Relay    SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
TC-442	48 X 48 X 70	2195	Input : J/K (Configurable) Output 1 : 1 Relay    SSR Output 2 : Relay/SSR (Factory Set) Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
TC-443	48 X 48 X 70	2580	Input : J/K (Configurable) Output : 3 Relay & SSR Parallel to 1st Relay Control Action : PID/TP/ON-OFF (Configurable) Supply : 100-270V AC
<b>20A Relay Possible in TC-421P</b>		<b>450</b>	

DOUBLE DISPLAY UNIVERSAL INPUT PID CONTROLLER SINGLE RELAY (4+4 DIGIT), (HSN - 90328910)			Multi Input
Model	Size (H X W X D)mm	MRP	Item Description
UTC-121G+	96 X 96 X 54	2355	Input : J/K/Pt-100/R/S/T/N/B/E (Configurable) Output : 1 Relay    SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
UTC-221G+	72 X 72 X 85	2355	
UTC-421G+	48 X 48 X 95	2355	

DOUBLE DISPLAY UNIVERSAL INPUT PID CONTROLLER SINGLE RELAY (4+4 DIGIT), (HSN - 90328910)			
Model	Size (H X W X D)mm	MRP	Item Description
UTC-121G	96 X 96 X 54	2255	Input : J/K/Pt-100 (Configurable) Output : 1 Relay    SSR Control Action : PID/ON-OFF (Configurable) Supply : 100-270V AC
UTC-221G	72 X 72 X 85	2255	
UTC-321P	96 X 48 X 85	2255	

DOUBLE DISPLAY UNIVERSAL INPUT PID CONTROLLER DOUBLE RELAY (HSN - 90328910)			Multi Input
Model	Size (H X W X D)mm	MRP	Item Description
UTC-1202G+	96 X 96 X 54	2850	Input : J/K/Pt-100/R/S/T/N/B/E (Configurable) Output 1 : 1 Relay    SSR Output 2 : 1 Relay / SSR (Factory Set) Control Action : PID/TP/ON-OFF (Configurable) Supply : 100-270V AC/DC
UTC-2202G+	72 X 72 X 85	2850	
UTC-4202G+	48 X 48 X 95	2850	

DOUBLE DISPLAY UNIVERSAL INPUT PID CONTROLLER DOUBLE RELAY (HSN - 90328910)			
Model	Size (H X W X D)mm	MRP	Item Description
UTC-1202G	96 X 96 X 54	2755	Input : J/K/Pt-100 (Configurable) Output 1 : 1 Relay    SSR Output 2 : 1 Relay / SSR (Factory Set) Control Action : PID/TP/ON-OFF (Configurable) Supply : 100-270V AC/DC
UTC-2202G	72 X 72 X 85	2755	
UTC-3202	96 X 48 X 85	3015	

UNIVERSAL INPUT PID CONTROLLER WITH ANALOG OUTPUT & MODBUS FACILITY (HSN - 90328910)			
Model	Size (H X W X D)mm	MRP	Item Description
UTC-1203	96 X 96 X 54	3400	Input : J/K/Pt-100/R/S/T/N/B/E Selectable Output : 1 Relay    SSR + 2 Relay Supply : 100-270V AC/DC
UTC-1203-M1	96 X 96 X 54	4050	Input : J/K/Pt-100/R/S/T/N/B/E Selectable Output : 1 Relay    SSR + 2 Relay + RS 485-Modbus Supply : 100-270V AC/DC
UTC-1203A	96 X 96 X 54	3750	Input : J/K/Pt-100/R/S/T/N/B/E Selectable Output : 1 Relay    SSR + 2 Relay + 4 to 20mA DC / 0 to 10V DC (Factory Set) Supply : 100-270V AC/DC
UTC-1203A-M1	96 X 96 X 54	4350	Input : J/K/Pt-100/R/S/T/N/B/E Selectable Output : 1 Relay    SSR + 2 Relay + RS 485-Modbus + 4 to 20mA DC / 0 to 10V DC (Factory Set) Supply : 100-270V AC/DC

UTC-4201A	48 X 48 X 95	2020	Input : J/K/PT-100 Output : 1 Relay + 4-20mA/0-10V DC (Factory Set), Supply : 100-270V AC
UTC-4203	48 X 48 X 95	3200	Input : J/K/Pt-100/R/S Selectable Output : 1 Relay    SSR + 2Relay Supply : 100-270V AC/DC
UTC-4203-M1	48 X 48 X 95	3800	Input : J/K/Pt-100/R/S Selectable Output : 1 Relay    SSR + 2Relay + RS-485 Modbus Supply : 100-270V AC/DC
UTC-4203A	48 X 48 X 95	3500	Input : J/K/Pt-100/R/S Selectable Output : 1 Relay    SSR + 2Relay + + 4 to 20mA DC / 0 to 10V DC (Factory Set) Supply : 100-270V AC/DC
UTC-4204A-M1	48 X 48 X 95	4475	Input : J/K/Pt-100/R/S Selectable Output : 4 Relay + RS-485 Modbus + 4 to 20mA DC / 0 to 10V DC (Factory Set) Supply : 100-270V AC/DC
UTC-3203	96 X 48 X 75	3355	Input : J/K/PT-100 (Configurable) Output : 3 Relay Control Action : PID/TP/ON-OFF (Configurable) Supply : 100-270V AC/DC

**UNIVERSAL INPUT PID CONTROLLER WITH ANALOG OUTPUT & MODBUS FACILITY  
(HSN - 90328910)**

Model	Size (H X W X D)mm	MRP	Item Description
PTC-1202	96 X 96 X 54	4195	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay With 24V DC Transmitter Supply Supply : 100-270V AC
PTC-1202A	96 X 96 X 54	4695	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set), With 24V DC Transmitter Supply Supply : 100-270V AC
PTC-1202-M1	96 X 96 X 54	5095	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay + RS-485 Modbus With 24V DC Transmitter Supply Supply : 100-270V AC
PTC-1202A-M1	96 X 96 X 54	5720	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set) + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC
PTC-382	48 X 96 X 75	3405	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay, with 24V DC Transmitter Supply Supply : 100-270V AC
PTC-382A	48 X 96 X 75	3545	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set), with 24V DC Transmitter Supply Supply : 100-270V AC
PTC-382-M1	48 X 96 X 75	4420	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC

PTC-382A-M1	48 X 96 X 75	4545	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set) + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC
PTC-352 (5 Digit)	48 X 96 X 75	4860	Input : J/K/E/T/B/R/S/PT-100/ 4-20mA/0-20mA/0-10V DC/0-75mV DC Output : 2 Relay, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-352A (5 Digit)	48 X 96 X 75	5710	Input : J/K/E/T/B/R/S/PT-100/ 4-20mA/0-20mA/0-10V DC/0-75mV DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set) + with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-352-M1 (5 Digit)	48 X 96 X 75	5910	Input : J/K/E/T/B/R/S/PT-100/ 4-20mA/0-20mA/0-10V DC/0-75mV DC Output : 2 Relay + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-352A-M1 (5 Digit)	48 X 96 X 75	6760	Input : J/K/E/T/B/R/S/PT-100/ 4-20mA/0-20mA/0-10V DC/0-75mV DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set) + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4201-M1	48 X 48 X 95	3775	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 1 Relay + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4202	48 X 48 X 95	3405	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 2 Relay, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4202A	48 X 48 X 95	3675	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set), with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4202-M1	48 X 48 X 111	4420	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 2 Relay + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4202A-M1	48 X 48 X 111	4545	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 2 Relay + 4-20mA/0-10V DC (Factory Set) + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4203	48 X 48 X 95	4150	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 3 Relay, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4203A	48 X 48 X 95	4295	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 3 Relay + 4-20mA/0-10V DC (Factory Set), with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4203-M1	48 X 48 X 111	5170	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 3 Relay + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC/DC
PTC-4203A-M1	48 X 48 X 111	5295	Input : J/K/R/S/Pt-100/4-20mA DC/0-10V DC/0-20mA DC Output : 3 Relay + 4-20mA/0-10V DC (Factory Set) + RS-485 Modbus, with 24V DC Transmitter Supply Supply : 100-270V AC/DC

<b>PID CONTROLLER WITH AMPERE INDICATOR (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
PID-2301-1C	72 X 72 X 85	2450	Input : J/K (Configurable) Output : 1 Relay    SSR Control Action : PID/TP/ON-OFF (Configurable) , with 30A/60A Single CT Supply : 100-270V AC/DC
PID-2302-1C	72 X 72 X 85	2750	Input : J/K (Configurable) Output : 1 Relay    SSR + 1 Relay Control Action : PID/TP/ON-OFF (Configurable) , with 30A/60A Single CT Supply : 100-270V AC
PID-2303-1C	72 X 72 X 85	3050	Input : J/K (Configurable) Output : 1 Relay    SSR + 2 Relay Control Action : PID/TP/ON-OFF (Configurable) , with 30A/60A Single CT Supply : 100-270V AC
PID-2303-3C	72 X 72 X 85	3750	Input : J/K (Configurable) Output : 1 Relay    SSR + 2 Relay Control Action : PID/TP/ON-OFF (Configurable) , with 30A/60A Three CT Supply : 100-270V AC
RTC-4201-1C	48 X 48 X 95	4750	Input : J/K (Configurable) Output : 1 Relay Control Action : PID/TP/ON-OFF (Configurable) , with 30A/60A Single CT Supply : 100-270V AC
RTC-4203-1C	48 X 48 X 95	5250	Input : J/K/PT-100 (Configurable) Output : 3 Relay Control Action : PID/TP/ON-OFF (Configurable) , with 30A/60A Single CT Supply : 100-270V AC
<b>Optional RS-485 In PID-2303 Available</b>		<b>1050</b>	
<b>PROFILE CONTROLLER (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
PRC-1202	96 X 96 X 110	6640	Input : J/K/PT-100 (Factory Set) Output : 1 Relay for Heating With Ramp & Soak time setting upto 9 stage + 1 relay for End Alarm Control Action : ON-OFF Supply : 100-270V AC

<b>HUMIDITY INDICATOR WITH ALARM OUTPUT (HSN - 90328910)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
MHT-1202+RH-100	96 X 96 X 54	4575	Input : PT-100 + Humidity sensor (RH-100) Output : 1 R For temperature + 1R For Humidity Supply : 100-270V AC
MHT-1202+MRH-95	96 X 96 X 54	4375	Input : PT-100 + Humidity sensor (MRH-95) Output : 1 R For temperature + 1R For Humidity Supply : 100-270V AC
MHT-2202+RH-100	72 X 72 X 85	3605	Input : PT-100 + Humidity sensor (RH-100) Output : 1 R For temperature + 1R For Humidity Supply : 100-270V AC/DC
MHT-2202+MRH-95	72 X 72 X 85	3405	Input : PT-100 + Humidity sensor (MRH-95) Output : 1 R For temperature + 1R For Humidity Supply : 100-270V AC/DC
RHC-1202+RH-100	96 X 96 X 54	4425	Input : Humidity sensor (RH-100) Output : 2 R For Humidity Supply : 100-270V AC
MHC-1101+RH-100	96 X 96 X 54	4175	Input : Humidity sensor (RH-100) Output : 1 Relay Supply : 100-270V AC
MHC-1101+MRH-95	96 X 96 X 54	3975	Input : Humidity sensor (MRH-95) Output : 1 Relay Supply : 100-270V AC
MHC-221+RH-100	72 X 72 X 45	3075	Input : Humidity sensor (RH-100) Output : 1 Relay Supply : 100-270V AC/DC
MHC-221+MRH-95	72 X 72 X 45	2885	Input : Humidity sensor (MRH-95) Output : 1 Relay Supply : 100-270V AC/DC
MHC-512+RH-100	37 X 78 X 70	3365	Input : Humidity sensor (RH-100) Output : 2 R For Humidity Supply : 100-270V AC
MHC-512+MRH-95	37 X 78 X 70	3175	Input : Humidity sensor (MRH-95) Output : 2 R For Humidity Supply : 100-270V AC
<b>RS-485 Modbus Output Available in MHT-1202 &amp; RHC-1202</b>		<b>1050</b>	
<b>Retransmission Output</b>		<b>850</b>	

<b>DUAL INPUT INDICATOR (HSN - 90303390)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
DPI-122	96 X 96 X 54	3440	Input 1 : 4-20mA DC/0-20mA DC/0-10V DC/ PT-100 (Factory set)
<b>Options : 1 Relay Output</b>		<b>725</b>	Input 2 : 4-20mA DC/0-20mA DC/0-10V DC/ PT-100 (Factory set) Supply : 100-270V AC
<b>24V DC Transmitter supply @30 mA</b>		<b>725</b>	
<b>RS-485 Modbus</b>		<b>1050</b>	
DPI-1824	96 X 96 X 54	5515	Dual Input : 4-20mA DC/0-20mA DC/0-10V DC/ PT-100 (Selectable) Output : 2 Relay + 24V DC Transmitter Supply Supply : 100-270V AC
<b>Options : Additional 2 Relay Output</b>		<b>1450</b>	
<b>Dual Retransmission Output</b>		<b>1700</b>	

## PROCESS CONTROL INSTRUMENTS

### PROCESS INDICATOR (HSN - 90303390)

Model	Size (H X W X D)mm	MRP	Item Description
PI-11	96 X 96 X 43	1480	Range : -999 to 9999 Input : 4-20mA/0-20mA/0-10V DC (Selectable) Supply : 100-270V AC
PI-21	72 X 72 X 45	1480	
PI-38	48 X 96 X 26	1710	
PI-41	48 X 48 X 46	1480	
PI-54	38 X 62 X 63	2915	

### PROCESS INDICATOR WITH ALARM OUTPUT (HSN - 90303390)

Model	Size (H X W X D)mm	MRP	Item Description
PIC-1101	96 X 96 X 54	2830	Range : -999 to 9999 Input : 4-20mA/0-20mA/0-10V DC (Selectable) Output : 1 Relay + 24V DC Transmitter Supply Supply : 100-270V AC
PIC-38	48 X 96 X 71	2795	
Options : Additional 1 Relay (PIC-1102)		725	
Retransmission output available in PIC-1101		850	
RS-485 MODBUS		1050	
PIC-4202	48 X 48 X 95	3450	Range : -999 to 9999 Input : 4-20mA/0-20mA/0-10V DC (Selectable) Output : 2 Relay + 24V DC Transmitter Supply Supply : 100-270V AC

### FAULT ANNUNCIATOR (HSN - 90303390)

Model	Size (H X W X D)mm	MRP	Item Description
FLT-L16	96 X 96 X 54	13150	Touch Screen Display Input : 16 Microswitch (NO or NC Selectable) Output : 2 Relay Supply : 100-270V AC/DC or 20-36V DC
FLT-L08	96 X 96 X 54	6550	Touch Screen Display Input : 8 Microswitch (NO or NC Selectable) Output : 2 Relay Supply : 100-270V AC/DC or 20-36V DC
FLT-L04	96 X 96 X 54	4250	Touch Screen Display Input : 4 Microswitch (NO or NC Selectable) Output : 2 Relay Supply : 100-270V AC/DC or 20-36V DC

### LOOP POWERED TRANSMITTER (HSN - 90303390)

Model	Size (H X W X D)mm	MRP	Item Description
LPT-45	Diameter : 45mm	1700	Input : J/K/PT-100 (Factory Set) Output : 4-20mA, Head Mounting Supply : 24V DC Loop Powered
LPT-63	76 x 27 x 116	2075	Input : J/K/PT-100 (Factory Set) Output : 4-20mA, Din Rail Supply : 24V DC Loop Powered

<b>SYNCHRONIZER UNIT (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
SN-126-4	75 X 75 X 110	4140	Input : 3 Wire 10K Pot, Output : 0 to 10V DC (Up to 6 Channel) Supply : 230V AC
SN-126-5	75 X 75 X 110	4940	
SN-126-6	75 X 75 X 110	6340	

<b>LOAD CELL INDICATOR WITH RELAY OUTPUT (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
LD-1252	96 X 96 X 54	4540	Input : 2mV/V or 3mV/V Excitation Voltage : 10V DC Output : 1 Relay Supply : 100-270V AC
Options : Additional 1 Relay		725	
Retransmission Output		850	
RS-485 Modbus		1050	

<b>SIGNAL ISOLATOR (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
MI-431	100 X 12.5 X 115	3140	Input : 4-20mA/0-20mA/0-10V DC (Factory set) Output : 4-20mA/0-20mA/0-10V DC (Single Channel), with Transmitter Supply 24V DC Supply : 100-270V AC OR 24V DC
MI-532	100 X 17.5 X 115	3950	Input : 4-20mA/0-20mA/0-10V DC (Factory set) Output : 4-20mA/0-20mA/0-10V DC (Dual Channel), with Transmitter Supply 24V DC Supply : 100-270V AC OR 24V DC
MI-532P	100 X 17.5 X 115	4550	Input : PT-100 Range : Factory set Output : 4-20mA/0-20mA/0-10V DC (Dual Channel) Supply : 100-270V AC OR 24V DC
MI-631	76 X 27 X 85	2120	Input : 4-20mA/0-20mA/0-10V DC (Factory set) Output : 4-20mA/0-20mA/0-10V DC (Single Channel) Supply : 100-270V AC/DC OR 24V DC
MI-632	76 X 27 X 85	2405	Input : 4-20mA/0-20mA/0-10V DC (Factory set) Output : 4-20mA/0-20mA/0-10V DC (Dual Channel) Supply : 100-270V AC/DC OR 24V DC
MI-631P	76 X 27 X 85	2695	Input : PT-100 Range : Factory set Output : 4-20mA/0-20mA/0-10V DC (Single Channel) Supply : 100-270V AC OR 24V DC
MI-631T	76 X 27 X 85	2520	Input : J/K (Factory set), Range : Factory set Output : 4-20mA/0-20mA/0-10V DC (Single Channel) Supply : 100-270V AC OR 24V DC
MI-632T	76 X 27 X 85	2895	Input : J/K (Factory set), Range : Factory set Output : 4-20mA/0-20mA/0-10V DC (Dual Channel) Supply : 100-270V AC OR 24V DC

<b>CURRENT TRANSDUCER &amp; VOLTAGE TRANSDUCER (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
CTR-63	76 X 27 X 85	2685	Input : 0-5A AC / 0-1A AC (Factory Set) Output : 4-20mA/0-20mA/0-10V DC (Single Channel) Supply : 100-270V AC/DC OR 24V DC
CTR-632	76 X 27 X 85	3105	Input : 0-5A AC / 0-1A AC (Factory Set) Output : 4-20mA/0-20mA/0-10V DC (Dual Channel) Supply : 100-270V AC/DC OR 24V DC
VTR-63	76 X 27 X 85	2995	Input : AC Voltage Output : 4-20mA/0-20mA/0-10V DC (Single Channel) Supply : 100-270V AC/DC OR 24V DC
VTR-632	76 X 27 X 85	3340	Input : AC Voltage Output : 4-20mA/0-20mA/0-10V DC (Dual Channel) Supply : 100-270V AC/DC OR 24V DC

<b>FLOW TOTALISER (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
MFC-1058	96 X 96 X 54	6840	Range : 8D Total flow, 5D Flow Rate
<b>Options : Additional 1 Relay</b>		<b>725</b>	Input : 4-20mA
<b>Retransmission Output</b>		<b>850</b>	Output : 1 Relay + 24V DC Transmitter Supply
<b>RS-485 Modbus</b>		<b>1050</b>	Supply : 100-270V AC
MFC-1058P	96 X 96 X 54	6840	Range : 8D Total flow, 5D Flow Rate
<b>Options : Additional 1 Relay</b>		<b>725</b>	Input : Pulse
<b>Retransmission Output</b>		<b>850</b>	Output : 1 Relay + 24V DC Transmitter Supply
<b>RS-485 Modbus</b>		<b>1050</b>	Supply : 100-270V AC
MFC-3086P	48 X 96 X 65	6840	Range : 8D Total flow, 6D Flow Rate
<b>Options : RS-485 Modbus</b>		<b>1050</b>	Input : Pulse
<b>Retransmission Output</b>		<b>850</b>	Output : 1 Relay + 24V DC Transmitter Supply
			Supply : 100-270V AC

<b>MULTI MODE PROCESS INDICATOR (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
SPI-421 (1 Mode)	48 X 48 X 70	5335	Range : -999 to 9999
SPI-424 (4 Mode)	48 X 48 X 70	5775	Input : 4-20mA/0-20mA/0-10V DC (Selectable)
SPI-427 (7 Mode)	48 X 48 X 70	6410	Supply : 100-270V AC
<b>Note : Auxiliary supply 24V DC Available in selected model</b>		<b>450</b>	

**PROCESS SCANNER & DATA LOGGER - 8 Channel (HSN - 90303390)**

Model	Size (H X W X D)mm	MRP	Item Description
MS-1208	96 X 96 X 54	5410	Input : J/K/Pt-100 (Selectable) Supply : 100-270V AC
MS-1208A	96 X 96 X 54	5410	Input : 4-20mA/0-20mA/0-10V DC (Selectable) Supply : 100-270V AC
MS-1208-M1	96 X 96 X 54	6940	Input : J/K/Pt-100 (Selectable) Output : RS-485 Modbus Supply : 100-270V AC
MS-1208A-M1	96 X 96 X 54	6940	Input : 4-20mA/0-20mA/0-10V DC (Selectable) Output : RS-485 Modbus Supply : 100-270V AC
TSC-9084	96 X 96 X 76	12515	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U (8 Channel) Output : 4 Relay Supply : 100-270V AC/DC
TSC-9084-M1	96 X 96 X 76	14730	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U (8 Channel) Output : 4 Relay + RS-485 Modbus Supply : 100-270V AC/DC
TSC-9084U	96 X 96 X 76	18700	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U (8 Channel) Output : 4 Relay + USB Port Supply : 100-270V AC/DC
TSC-9084U-M1	96 X 96 X 76	19365	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U (8 Channel) Output : 4 Relay + USB Port + RS-485 Modbus Supply : 100-270V AC/DC
PSC-9084	96 X 96 X 76	19115	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (8 Channel) Output : 4 Relay Supply : 100-270V AC/DC
PSC-9084-M1	96 X 96 X 76	21080	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (8 Channel) Output : 4 Relay + Modbus Supply : 100-270V AC/DC
PSC-9084U	96 X 96 X 76	24660	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (8 Channel) Output : 4 Relay + USB Port Supply : 100-270V AC/DC
PSC-9084U-M1	96 X 96 X 76	27650	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (8 Channel) Output : 4 Relay + USB Port + Modbus Supply : 100-270V AC/DC
MS-L14 (Touch Screen)	96 X 96 X 66	14560	Input : J/K/Pt-100/4-20mA/0-10V DC/0-20mA (Selectable) Output : 4 Relay Supply : 20-36V DC
MS-L14-M1 (Touch Screen)	96 X 96 X 66	15610	Input : J/K/Pt-100/4-20mA/0-10V DC/0-20mA (Selectable) Output : 4 Relay + Modbus Supply : 20-36V DC

**PROCESS SCANNER & DATA LOGGER - 4 Channel (HSN - 90303390)**

Model	Size (H X W X D)mm	MRP	Item Description
PSC-9044	96 X 96 X 66	13980	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (4 Channel) Output : 4 Relay Supply : 100-270V AC/DC
PSC-9044-M1	96 X 96 X 66	15690	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (4 Channel) Output : 4 Relay + Modbus Supply : 100-270V AC/DC
PSC-9044U	96 X 96 X 66	17845	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (4 Channel) Output : 4 Relay + UCB Port Supply : 100-270V AC/DC
PSC-9044U-M1	96 X 96 X 66	19555	Input : J/K/Pt-100/R/S/T/N/B/E/C/L/U/ 1-5V DC/0-10V DC/4-20mA DC/0-20mA DC (4 Channel) Output : 4 Relay + USB Port + Modbus Supply : 100-270V AC/DC

<b>PROCESS SCANNER &amp; DATA LOGGER - 16 Channel (HSN - 90303390)</b>			
MS-5716	192 X 96 X 168	18560	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Supply : 100-270V AC/DC
MS-5716R	192 X 96 X 168	24265	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Output : 8 Relay Supply : 100-270V AC/DC
MS-5716-M1	192 X 96 X 168	21770	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Output : RS-485 Modbus Supply : 100-250V AC
MS-5716U	192 X 96 X 168	24355	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Output : USB Port Supply : 100-250V AC
MS-5716U-M1	192 X 96 X 168	29695	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Output : USB Port + RS-485 Modbus Supply : 100-270V AC
MS-5716RU	192 X 96 X 168	29395	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Output : 8 Relay + USB Port Supply : 100-270V AC
MS-5716R-M1	192 X 96 X 168	28795	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Output : 8 Relay + RS-485 Modbus Supply : 100-270V AC/DC
MS-5716RU-M1	192 X 96 X 168	30135	Input : J/K/PT-100/4-20mA/0-20mA/0-10V DC (Selectable) Output : 8 Relay + RS-485 Modbus + USB Port Supply : 100-270V AC
<b>Note : Aux Supply 24V DC option available in All Scanner Model</b>		<b>750</b>	

## JUMBO DISPLAYS

### JUMBO DISPLAY TEMPERATURE INDICATOR (HSN - 90303390)

Model	Size (H X W X D)mm	MRP	Item Description
UTI-3004 (Single Side)	130 X 235 X 55	6870	Input : J/K/PT-100 (Selectable) Display : 2.25 Inch, 4 Digit Supply : 100-270V AC
UTI-3004 (Dual Side)	130 X 235 X 75	8615	
UTI-6004 (Single Side)	160 X 380 X 55	8415	Input : J/K/PT-100/R/S (Selectable) Display : 4 Inch, 4 Digit Supply : 100-270V AC
UTI-6004 (Dual Side)	160 X 380 X 75	12845	
<b>Option : Additional 2 Relay in UTI 6004</b>		<b>725</b>	

### JUMBO DISPLAY PROGRAMMABLE TIMER (HSN - 85369090)

Model	Size (H X W X D)mm	MRP	Item Description
UTR-6004 (Single Side)	160 X 380 X 55	10215	Range : 0-9999 Sec/Min/Hour Selectable OnDelay/Off Delay/Cyclic Timer Output : 1R2C/O Supply : 100-270V AC
UTR-6004 (Dual Side)	160 X 380 X 75	14895	

### JUMBO DISPLAY PROCESS INDICATOR (HSN - 90303390)

Model	Size (H X W X D)mm	MRP	Item Description
PIC-3004A (Single Side)	130 X 235 X 55	7820	Input : 4-20mA/0-10V DC/0-20mA (Selectable) Display : 2.25 Inch, 4 Digit Supply : 100-270V AC
PIC-3004A (Dual Side)	130 X 235 X 75	9915	
PIC-6004A (Single Side)	130 X 380 X 55	10690	Input : 4-20mA/0-10V DC/0-20mA (Selectable) Transmitter supply : 24V DC Display : 4 Inch, 4 Digit Supply : 100-270V AC
PIC-6004A (Dual Side)	130 X 380 X 75	14595	
PTC-8004A (Single Side)	325 X 650 X 50	28585	Input : 4-20mA/0-10V DC/0-20mA/J/K/PT-100 (Selectable) with 24V DC Transmitter supply <b>Display : 8 Inch, 4 Digit</b> Supply : 100-270V AC
PTC-6004A (Single Side)	160 X 380 X 55	12715	Input : 4-20mA/0-10V DC/0-20mA/J/K/PT-100 (Selectable) Display : 4 Inch, 4 Digit Supply : 100-270V AC
PTC-6004A (Dual Side)	160 X 380 X 75	16295	
<b>Options : Additional 2 Relay</b>		<b>725</b>	

### JUMBO DISPLAY MPM INDICATOR - ENCODER INPUT (HSN - 90291090)

Model	Size (H X W X D)mm	MRP	Item Description
MSI-3004 (Single Side)	130 X 235 X 55	9150	Input : NPN/PNP Encoder Display : 2.25 Inch, 4 Digit Parameter : MPM Supply : 100-270V AC
MSI-3004 (Dual Side)	130 X 235 X 75	12250	
MSI-6004 (Single Side)	160 X 380 X 55	13250	Input : NPN/PNP Encoder Display : 4 Inch, 4 Digit Parameter : MPM Supply : 100-270V AC
MSI-6004 (Dual Side)	160 X 380 X 75	16250	

<b>JUMBO DISPLAY PROGRAMMABLE LENGTH COUNTER (HSN - 90291090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
LC-9004 (Single Side)	160 X 375 X 55	24500	Range : 6 Digit Total Legth, 4 Digit MPM Input : Proximity (NPN/PNP), Diameter Selectable Output : 1R On Total length, Double Display (2.25 Inch Each) Supply : 100-250V AC
LC-9004 (Dual Side)	160 X 375 X 55	34850	
<b>Option : RS-485 Modbus Output</b>		1550	

<b>JUMBO DISPLAY PROGRAMMABLE COUNTER (HSN - 90291090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
PC-3004 (Single Side)	130 X 235 X 55	8195	Input : NPN/PNP Proximity / Microswitch (Selectable) Display : 2.25 Inch, 4 Digit Parameter : Counter Supply : 100-270V AC
PC-3004 (Dual Side)	160 X 235 X 75	10290	
PC-6004 (Single Side)	130 X 380 X 55	13890	Input : NPN/PNP Proximity / Microswitch (Selectable) Display : 4 Inch, 4 Digit Parameter : Counter Supply : 100-270V AC
PC-6004 (Dual Side)	160 X 380 X 75	16695	
PC-6006 (Single Side)	165 X 570 X 55	20685	Input : NPN/PNP Proximity / Microswitch (Selectable) Display : 4 Inch, 6 Digit Parameter : Counter Supply : 100-270V AC
<b>Options : Additional 1 Relay</b>		725	

<b>JUMBO DISPLAY HUMIDITY + TEMPERATURE CONTROLLER (HSN - 90328910)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
MHT-9044 + RH-100	160 X 375 X 55	33735	Input : PT-100 + RH sensor Output : 1R For temperature + 1R For Humidity Double Display (2.25 Inch Each) Supply : 100-270V AC

<b>JUMBO DISPLAY MPM &amp; RPM INDICATOR (HSN - 90291090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
MPM-3004/RPM-3004 (Single Side)	130 X 235 X 55	9850	Input : NPN/PNP Proximity / Microswitch (Selectable) Display : 2.25 Inch, 4 Digit Parameter : MPM/RPM Supply : 100-270V AC
MPM-3004/RPM-3004 (Dual Side)	130 X 235 X 75	12850	
MPM-6004/RPM-6004 (Single Side)	160 X 380 X 55	12500	Input : NPN/PNP Proximity / Microswitch (Selectable) Display : 4 Inch, 4 Digit Parameter : MPM/RPM Supply : 100-270V AC
MPM-6004/RPM-6004 (Dual Side)	160 X 380 X 75	15850	

<b>JUMBO DISPLAY INDICATOR - MODBUS INPUT (HSN - 90291090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
RS-8004 (Single Side)	330 X 823 X 55	31865	Input : RS-485 MODBUS Display : 8 Inch, 4 Digit Supply : 100-270V AC
RS-6004 (Single Side)	160 X 380 X 55	13875	Input : RS-485 MODBUS Display : 4 Inch, 4 Digit Supply : 100-270V AC
RS-6004 (Dual Side)	160 X 380 X 75	17300	Input : RS-485 MODBUS Display : 4 Inch, 4 Digit Supply : 100-270V AC
RS-6006 (Single Side)	165 X 570 X 55	19335	Input : RS-485 MODBUS Display : 4 Inch, 6 Digit Supply : 100-270V AC
<b>Note : 24V DC Aux.Supply Available in All Jumbo Display</b>		1050	

## PROGRAMMABLE TIMERS

### TIME TOTALISER / HOUR METER (HSN - 85369090)

Model	Size (H X W X D)mm	MRP	Item Description
DTT-1000	96 X 96 X 43	1360	6 Digit Display Range : 0-9999.59 Hour/Min/Sec Input : 230V AC Enable Pulse Supply : 230V AC
DTT-2000	72 X 72 X 36	1360	
DTT-3000	48 X 96 X 26	1360	
DTT-4000	48 X 48 X 95	2550	
DTT-56G	36 X 62 X 63	1360	
DTT-5000	36 X 72 X 72	1360	

### THUMBWHEEL 3 DIGIT TIMER (HSN - 85369090)

Model	Size (H X W X D)mm	MRP	Item Description
MDT-3300	96 X 48 X 85	2040	Range : 0-.99/9.9/9.99/99.9/999 Sec/Min (Factory Set) Output : 1R2C/O Supply : 230V AC
MDT-1300ST	96 X 96 X 54	2040	
MDT-2300ST	72 X 72 X 45	2040	

### THUMBWHEEL 3 DIGIT TIMER (HSN - 85369090)

Model	Size (H X W X D)mm	MRP	Item Description
MDT-1310	96 X 96 X 50	1815	Range : 99.9/999 Sec/Min Selectable Ondelay Timer Output : 1R2C/O Supply : 230V AC
MDT-2312	72 X 72 X 45	1815	

### THUMBWHEEL 3 DIGIT TIMER (HSN - 85369090)

Model	Size (H X W X D)mm	MRP	Item Description
MDT-1310F	96 X 96 X 50	1935	Range : 9.99/99.9/999 Sec/Min/Hour Selectable Ondelay Timer / Off Delay Timer Output : 1R2C/O Supply : 100 - 270V AC
MDT-2312F	72 X 72 X 45	1935	
MDT-4310F	48 X 48 X 100	1715	

### UNIVERSAL RANGE DIGITAL TIMER (HSN - 85369090)

Model	Size (H X W X D)mm	MRP	Item Description
UTR-1033	96 X 96 X 43	1985	Range : 0-999 Sec/Min/Hour Selectable Ondelay Timer / Off Delay / Cyclic Timer Output : 1R2C/O Supply : 100 - 270V AC
UTR-2033	72 X 72 X 45	1985	
UTR-433	48 X 48 X 70	1985	
UTR-1244	96 X 96 X 54	2750	Range : 0-9999 Sec/Min/Hour Selectable Combinational / Sequential / Cyclic / Laundry Timer Output : 2R1C/O Supply : 100 - 270V AC
UTR-2244	72 X 72 X 45	2750	
UTR-4244	48 X 48 X 70	2750	
CTU-4244	48 X 48 X 70	3430	Range : 0-999 Sec/Min/Hour Selectable, 0-9999 Count Output : 2R1C/O, Supply : 100 - 270V AC
UTR-413	48 X 48 X 70	1550	Single Display, Ondelay Timer / Off Delay / Cyclic Timer Output : 1R2C/O Supply : 100 - 270V AC

### SEQUENTIAL TIMER (HSN - 85369090)

Model	Size (H X W X D)mm	MRP	Item Description
SQT-1244	96 X 96 X 54	8065	12 Channel Sequential Timer Output : 12 Relay Supply : 100 - 270V AC
SQT-1044		5370	8 Channel Sequential Timer Output : 8 Relay, With Cascade Facility Supply : 100 - 270V AC
SQT-1022		3020	4 Channel Sequential Timer Output : 4 Relay Supply : 100 - 270V AC
CMT-1044		5665	8 Channel Combinational Timer Output : 8 Relay Supply : 100 - 270V AC
CMT-1022		3340	4 Channel Combinational Timer Output : 4 Relay Supply : 100 - 270V AC

<b>DIN RAIL DISPLAY TIME / ANALOG TIMER (HSN - 85369090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
DI-22+ On-Off Delay Timer	90 X 22.5 X 63	835	Range : 0.1 Second to 30 Hours (Selectable) Input : 1R1C/O Supply : 230V AC & 24V DC
DI-22U+ On-Off Delay Timer		1230	Range : 0.1 Second to 30 Hours (Selectable) Input : 1R2C/O Supply : 12 to 240V DC & 20 to 240V DC
FRT-22U Forward - Reverse Timer		1225	Range : 0.1 Second to 10 Hours (Selectable) Input : 2R1C/O Supply : 12 to 240V DC & 20 to 240V DC
CYL-22U Cyclic Timer	90 X 22.5 X 63	1250	Range : 0.1 Second to 10 Hours (Selectable) Input : 1R2C/O Supply : 12 to 240V DC & 20 to 240V DC
DT-10S/30S/60S		750	Range : 10S/30S/60S Input : 1R1C/O Supply : 230V AC/415V AC
DT-10S-4/30S-4/60S-4		925	
SDX-22		985	Range : 1 Sec to 60 Sec Input : 2R1C/O Supply : 230V AC/415V AC
SD-22 Star-Delta Timer		885	
POD-30S Power Off Delay Timer		2450	Range : 1 Sec to 360 Sec Input : 1R2C/O Supply : 100-270V AC
UTR-35		90 X 35 X 62	1100
MDT-17U (Multi Program Timer)	90 X 17.5 X 62	1085	Range : 0.1 Sec to 3 Hours Mode : 10 Program Supply : 12 to 240V DC & 20 to 240V AC
MDT-17X (Multi Program Timer + NFC Configurable)	90 X 17.5 X 62	1185	Range : 0.1 Sec to 999 Hours Mode : 11 Program Supply : 12 to 240V DC & 20 to 240V AC

## PROGRAMMABLE COUNTERS

### COUNTER TOTALISER (HSN - 902910910)

Model	Size (H X W X D)mm	MRP	Item Description
CT-1000	96 X 96 X 40	1360	Range : 0 - 999999 Count Input : Proximity (NPN/PNP) / 230V AC (Factory Set) Supply : 230V AC
CT-2000	72 X 72 X 36	1360	
CT-3000	48 X 96 X 26	1360	
CT-5000	36 X 72 X 93	1360	
CT-56G	38 X 62 X 63	1360	

### RPM INDICATOR (HSN - 90291090)

Model	Size (H X W X D)mm	MRP	Item Description
RPM-1201	96 X 96 X 40	1500	Range : 4-5000 RPM Input : Proximity (NPN/PNP) Supply : 230V AC
RPM-2201	72 X 72 X 36	1500	
RPM-3201	48 X 96 X 26	1500	
RPM-4201	48 X 48 X 70	1500	

### THUMBWHEEL COUNTER (HSN - 90291090)

Model	Size (H X W X D)mm	MRP	Item Description
TWS-1400F	96 X 96 X 50	3290	Range : 0-9999 Count Input : Proximity (NPN/PNP) Output : 1R2CO Supply : 100-270V AC with power fail memory facility
TWS-2500F	72 X 72 X 45	3290	

### THUMBWHEEL COUNTER (HSN - 90291090)

Model	Size (H X W X D)mm	MRP	Item Description
TWS-1400-5D	96 X 96 X 100	3775	Range : 5D/6D Count Input : Proximity (NPN/PNP) Output : 1R2CO Supply : 100-270V AC
TWS-2500-5D	72 X 72 X 100	3775	
TWS-1400-6D	96 X 96 X 100	4215	
TWS-1400ST	96 X 96 X 50	2835	Range : 0-9999 Count Input : Proximity PNP Output : 1R2CO Supply : 100-270V AC
TWS-2500ST	72 X 72 X 100	2835	

### MPM INDICATOR (HSN - 90291090)

Model	Size (H X W X D)mm	MRP	Item Description
MPM-1044	96 X 96 X 54	3440	Range : 0-9999 MPM Input : Proximity (NPN/PNP) Supply : 100-270V AC
MPM-2044	72 X 72 X 85	3440	

### MPM RATIO INDICATOR (HSN - 90291090)

Model	Size (H X W X D)mm	MRP	Item Description
MSI-2044	72 X 72 X 85	6540	Range : 0-9999 MPM Input : Dual NPN Proximity Upper Display Show Ratio, Lower Display Show Separate MPM Supply : 100-270V AC

### RPM INDICATOR WITH ALARM OUTPUT (HSN - 90291090)

Model	Size (H X W X D)mm	MRP	Item Description
RPM-1044	96 X 96 X 54	4035	Range : 0-9999 RPM Input : Proximity (NPN/PNP) Output : 1R1C/O Supply : 100-270V AC
RPM-2044	72 X 72 X 85	4035	
Options : Additional 1 Relay		725	

**RPM INDICATOR WITH RETRANSMISSION OUTPUT (HSN - 90291090)**

RPM-1044RT	96 X 96 X 54	5095	Range : 0 - 9999 RPM Input : Proximity (NPN/PNP) Output : 4-20mA/0-10V DC Retransmission Supply : 100-270V AC
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**PROGRAMMABLE COUNTER (HSN - 90291090)**

Model	Size (H X W X D)mm	MRP	Item Description
PC-3006	48 X 96 X 120	2430	Range : 0 - 9999 Count Input : Proximity (NPN/PNP) Output : 1R1C/O, Single Display Supply : 230V AC
PC-1044	96 X 96 X 54	2190	Range : 0 - 9999 Count Input : Proximity (NPN/PNP) Output : 1R1C/O, Double Display Supply : 100-270V AC
PC-2044	72 X 72 X 45	2190	
PC-444	48 X 48 X 70	2190	
<b>Options : Additional 1 relay in PC-1044,2044</b>		<b>725</b>	

**PROGRAMMABLE LENGTH COUNTER (HSN - 90291090)**

Model	Size (H X W X D)mm	MRP	Item Description
LC-1046D	96 X 96 X 43	2145	Range : 6 Digit Total Length, 4 Digit MPM Input : Proximity (NPN/PNP), Diameter Selectable Output : 1R On total length, Double Display Supply : 230V AC
LC-2046	72 X 72 X 45	2145	
LC-445 (5 Digit)	48 X 48 X 95	2290	
LC-3006	48 X 96 X 120	2190	
<b>Options : Additional 1 Relay available in LC-1046D, LC-2046</b>		<b>725</b>	
<b>Encoder Input available in LC-1046D, LC-2046</b>		<b>975</b>	
LC-1058-M1	96 X 96 X 54	4840	Range : 8 Digit Total Length, 5 Digit MPM Input : Proximity (NPN/PNP), Diameter Selectable Output : 1R On total length, Double Display With RS-485 Modbus Supply : 100-270V AC
CTU-3086-M1	48 X 96 X 76	7500	Range : 8 Digit Total Length, 6 Digit MPM Input : Proximity (NPN/PNP), Diameter Selectable Output : 1R On total length, Double Display With RS-485 Modbus Supply : 100-270V AC/DC

**PROGRAMMABLE BATCH COUNTER (HSN - 90291090)**

Model	Size (H X W X D)mm	MRP	Item Description
BC-1046D	96 X 96 X 43	2145	Range : 6 Digit Total Count, 4 Digit Count Input : Proximity (NPN/PNP) Output : 1R1C/O On Batch Count Double Display Supply : 230V AC
BC-2046	72 X 72 X 45	2145	
BC-445 (5 Digit)	48 X 48 X 95	2290	
<b>Options : Additional 1 Relay available in BC-1046D, BC-2046</b>		<b>725</b>	

<b>TABLET COUNTER (HSN - 90291090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
TBC-1058	96 X 96 X 54	5340	Range : 8 Digit Total Count, 5 Digit RPM Input : Proximity (NPN/PNP) Output : 1R1C/O On Total Count, Double Display Supply : 230V AC
<b>PROGRAMMABLE COUNTER + RPM (HSN - 90291090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
MMC-1046RD	96 X 96 X 43	2650	Range : 6 Digit Total Count, 4 Digit RPM Input : Proximity (NPN/PNP) Output : 1R1C/O On Total Count, Double Display Supply : 230V AC
MMC-2046R	72 X 72 X 45	2650	
<b>CLUTCH BRAKE CONTROLLER (HSN - 90291090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
MMC-1046T	96 X 96 X 54	5040	Input : CMS + NPN Proximity Output : 1 Relay to Operate Clutch & Brake Supply : 100-250V AC
MC-1003	96 X 96 X 54	8370	Input : CMS + NPN Proximity Output : 1 Relay to Operate Clutch & Brake, 1 Relay for Batch Counter Supply : 100-250V AC
<b>VIBRATOR CONTROLLER (HSN - 90291090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
MVC-72N	72 X 72 X 45	1155	Input : NPN / PNP Proximity Range : 1 to 99% Output : 0 to 110V AC Corresponding to percentage input, 5A Load Capacity Supply : 230V AC
MVC-7210	72 X 72 X 97	1445	Input : NPN / PNP Proximity Range : 1 to 99% Output : 0 to 110V AC Corresponding to percentage input, 10A Load Capacity Supply : 230V AC

<b>PHOTO ELECTRIC CONTROLLER (HSN - 90291090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
MPC-1061D	96 X 96 X 50	4575	Input : CMS + NPN Proximity Output : Forward & Reverse Winding @2A, 110V AC & Buzzer Output for batch count Supply : 110V AC
MPC-1062D	96 X 96 X 50	4575	Input : CMS + NPN Proximity Output : Forward & Reverse Winding @2A, 230V AC & Buzzer Output for batch count Supply : 230V AC
MPC-5062	192 X 96 X 130	5100	Input : CMS + NPN Proximity Output : Forward & Reverse Winding @2A, 110V AC Supply : 110V AC
MPC-5062	192 X 96 X 130	5100	Input : CMS + NPN Proximity Output : Forward & Reverse Winding @2A, 230V AC Supply : 230V AC

<b>FFS CONTROL UNIT (HSN - 90291090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
PFLC-68 (Touch Screen Display)	96 X 96 X 54	17945	Input : CMS +1 or 2 NPN Proximity, Batch cutter proximity Output For Clutch & Brake@2A, 24V DC + 8 Relay Supply : 24V DC
MPC-1065 (LCD Display)	96 X 96 X 50	11850	Input : CMS +1 or 2 NPN Proximity, Batch cutter proximity Output For Clutch & Brake@2A, 24V DC + 4 Relay Supply : 24V DC

<b>COLOR MARK SENSOR (HSN - 90329000)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
CMS-01X	65 X 90 X 35	2360	NPN/PNP Type, Sensing Distance : 10 to 15mm
CMS-1X	56 X 80 X 30	2360	NPN/PNP Type, Sensing Distance : 4 to 8mm
CMS-5X	28 X 60 X 44	5775	NPN/PNP Type, Sensing Distance : 10 to 15mm

## POWER & ENERGY METERS

### SINGLE PHASE PANEL METER

#### DIGITAL AMPERE METER (HSN - 90303310)

Model	Size (H X W X D)mm	MRP	Item Description
AV-14	96 X 96 X 40	810	Input : 0-5A AC Direct Or CT Selectable upto 5/5 to 4000/5A Supply : 230V AC
AV-24	72 X 72 X 36	810	
AV-34	48 X 96 X 26	810	
AV-41CT	48 X 48 X 46	810	

#### DIGITAL AMPERE METER WITH 30A DIRECT (HSN - 90303310)

Model	Size (H X W X D)mm	MRP	Item Description
AV-11A	96 X 96 X 63	1085	Input : 0-30A AC Direct Supply : 230V AC
AV-21A	72 X 72 X 56	1085	
AV-31A	48 X 96 X 46	1085	
AV-41A	48 X 48 X 66	1085	

#### DIGITAL VOLT METER (HSN - 90303310)

Model	Size (H X W X D)mm	MRP	Item Description
AV-11V	96 X 96 X 40	810	Input : 30-500V AC Supply : 230V AC
AV-21V	72 X 72 X 36	810	
AV-31V	48 X 96 X 26	810	
AV-41V	48 X 48 X 46	810	

#### DIGITAL AMPERE + VOLT METER (HSN - 90303310)

Model	Size (H X W X D)mm	MRP	Item Description
AV-12	96 X 96 X 43	1290	Input Volt : 0-500V AC, Ampere : CT Ratio 5/5 to 2000/5A AC Supply : 100-270V AC/DC
AV-22	72 X 72 X 60	1290	
AV-33	48 X 96 X 66	1290	
<b>Note : Direct upto 30A AC</b>		275	
AV-44	48 X 48 X 46	1290	Input Volt : 0-500V AC, Ampere : 30.0A Direct Supply : 100-270V AC

#### DIGITAL DC AMPERE METER (HSN - 90303310)

Model	Size (H X W X D)mm	MRP	Item Description
AV-14DZ	96 X 96 X 40	1275	Range : 0-20.0A DC Direct Supply : 100-270V AC/DC
AV-24DZ	72 X 72 X 60	1275	
AV-34DZ	48 X 96 X 66	1275	

#### DIGITAL DC AMPERE METER (HSN - 90303310)

Model	Size (H X W X D)mm	MRP	Item Description
AV-14DA	96 X 96 X 40	975	Range : Multirange 0001 to 9999A DC Selectable Input : 0 to 75mV DC (through shunt) Supply : 100-270V AC/DC
AV-24DA	72 X 72 X 60	975	
AV-34DA	48 X 96 X 66	975	
<b>Note : Shunt in Customers Scope</b>			

<b>DIGITAL DC VOLT METER (HSN - 90303310)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
AV-14DV	96 X 96 X 40	975	Input Range : 19.99V DC / 49.99V DC / 99.99V DC / 199.9V DC / 750V DC (Factory set) Supply : 100-270V AC/DC
AV-24DV	72 X 72 X 60	975	
AV-34DV	48 X 96 X 66	975	
AV-41DV (3 Digit)	48 X 96 X 66	975	

<b>DIGITAL DC AMP &amp; VOLT METER (HSN - 90303310)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
DC-14	96 X 96 X 54	2250	Current Range : Multirange - 999A DC to 9999A DC Selectable Voltage Range : 1000 DC Supply : 100-270V AC
DC-24	72 X 72 X 45	2250	
VAW-34DC	48 X 96 X 26	2185	Current Range : Multirange 0001 to 9999A DC Selectable Voltage Range : 750V DC, Watt : Up to 7499 KW Supply : 100-270V AC
<b>DC-14/DC-24 : RS 485 Modbus</b>		1050	

<b>SINGLE PHASE FREQUENCY METER (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
FRQ-11	96 X 96 X 54	1055	Range : 45.0 to 65.0Hz Supply : 230V AC
FRQ-21	72 X 72 X 36	1055	
FRQ-31	48 X 96 X 26	1055	

<b>SINGLE PHASE WATT METER (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
WM-11	96 X 96 X 43	2695	Range : 0 to 1250 Watt (4 Digit, Range : 0 to 1250 Watt, CT Selectable upto 50A) Supply : 100 -270V AC/DC

<b>SINGLE PHASE KWH METER (HSN - 90283090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
EM-1P	96 X 96 X 43	2090	6 Digit Active Energy (KWh), CT Ratio Selectable upto 5/5 to 4000/5A AC Supply : 100 -270V AC/DC

<b>SINGLE PHASE POWER FACTOR METER (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
PF-11	96 X 96 X 43	1100	Single Phase Power factor meter Supply : 100 -270V AC/DC

<b>THREE PHASE POWER FACTOR METER (HSN - 90303390)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
PF-13	96 X 96 X 43	2475	Three Phase Power factor meter Supply : 100 -270V AC/DC

### THREE PHASE ENERGY & POWER METERS

THREE PHASE ENERGY (KWH) METER (HSN - 90283090)			
Model	Size (H X W X D)mm	MRP	Item Description
EM-10	96 X 96 X 43	2425	8 Digit Active Energy (Kwh), CT Ratio Selectable upto 5/5 to 4000/5A AC Supply : 100-270V AC/DC
EPM-14	96 X 96 X 54	3450	CT Ratio Selectable upto 5/5 to 4000/5A AC, 6 + 4 Digit, 2 Line LED Display (6 Digit Active Energy (Kwh) and 4 Digit Active Power (KW), Pulse Output Supply : 100-270V AC/DC
EPM-14N/EM-10 : RS-485 Modbus		1050	
2 Relay Output on KW (EPM-142)		500	

THREE PHASE AMPERE & VOLTMETER (HSN - 90303390)			
Model	Size (H X W X D)mm	MRP	Item Description
AMP-23	72 X 72 X 45	1375	4 Digit 1 Line Display CT Ratio Selectable upto 0 to 6000/5A AC Supply : 100-270V AC/DC
AMP-13	96 X 96 X 43	1375	
VOLT-23	72 X 72 X 36	1460	4 Digit 1 Line Display Primary PT : 100 to 999Kv AC (L-L) Secondary PT : 100 to 520V AC (L-L) Supply : 100-270V AC/DC
VOLT-13	96 X 96 X 43	1460	
VOLT-19	96 X 96 X 43	1935	3 Digit 3 Line Display Range : 50-500V AC (L-L), 300-300V AC (L-N) Supply : 100-270V AC/DC
AMP-19	96 X 96 X 43	2075	3 Digit 3 Line Display CT Ratio Selectable upto 0 to 6000A/5A AC Supply : 100-270V AC/DC
RS-485 MODBUS (AMP-13-M1)		1050	

AVF METER (HSN - 90303390)			
Model	Size (H X W X D)mm	MRP	Item Description
AVF-19D	96 X 96 X 43	1980	CT Ratio Selectable upto 6000/5A AC 3 Phase - 3W/4W, 1 Phase - 2W Supply : 230V AC
AVF-19T	96 X 96 X 43	1980	CT Ratio Selectable upto 9999/5A AC 3 Phase - 3W/4W, 1 Phase - 2W Supply : 100-270V AC/DC
AVF-29T	72 X 72 X 45	2070	CT Ratio Selectable upto 6000/5A AC 3 Phase - 3W/4W, 1 Phase - 2W Supply : 100-270V AC/DC
AVF-133 (6 Display)	96 X 96 X 54	2250	Current : 100mA to 5A AC CT Selectable, CT Selectable Voltage : 50-520V AC (L-L), 30-300V AC (L-N), 3 Phase - 3W/4W, 1 Phase - 2W Supply : 100-270V AC/DC
PM-133 (6 Display)	96 X 96 X 54	2650	Led 6 Line 3 Digit, CT Input : 3Ø, Voltage Input : 3Ø4W, CT Primary : 3000A, CT Secondary : 5A Supply : 100-270V AC/DC Parameter : A,V,HZ,PF,W
PM-112	96 X 96 X 54	1750	Led 6 Line 3 Digit, CT Input : 3Ø, Voltage Input : 3Ø4W, CT Primary : 9999A, CT Secondary : 5A Supply : Self Powered Parameter : A,V,HZ,PF,kW, kVA, kVAr
RS-485 MODBUS (AVF-133-M1)		1050	

<b>SINGLE PHASE CURRENT CONTROLLER (HSN - 85363000)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
CC-12 (Double Display)	96 X 96 X 43	3290	Current Range : 5A to 2000A AC, (1CT Input) Output : 1 Relay Supply : 100-270V AC/DC
CMR-232	72 X 72 X 85	3290	Current Range : 5A to 999A AC, (1CT Input) Output : 1 Relay Supply : 100-270V AC/DC
<b>Additional one relay available in CC-122</b>		<b>725</b>	

<b>DEMAND CONTROLLER (HSN - 90283090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
DMR-162	96 X 96 X 43	12575	8 Digit 1 Line, 4 Digit 3 Line Red LED Display, CT Ratio Selectable upto 5/5 to 6000/5A AC, Parameters : L-L Voltage, L-N Voltage, Phase Current, Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVAR), Frequency (F), Supply : 100-270V AC/DC  <b>Output : 2 Relay (ON Demand KW/KVA)</b>
<b>RS-485 Modbus (DMR-162-M1)</b>		<b>1050</b>	

<b>MOTOR PROTECTION DEVICE (HSN - 85363000)</b>			
<b>3 Digit 3 Line, Red Display, 3 Phase Current Indicator &amp; Tripping</b>			
Model	Size (H X W X D)mm	MRP	Item Description
MPD-192	96 X 96 X 54	3665	CT Ratio Selectable up to 5/5 to 6000/5A AC, 3 $\phi$ 3W/ 3 $\phi$ 4W Selectable , Output : 1 Relay for tripping parameters Tripping Facility : OV, UV, OC, UC, OF, UF, Unbalance, SPP, PS, NF, Short Circuit, Lock rotor point Supply : 100-270V AC/DC
<b>With ELR Function (MPD-19EL)</b>		<b>4165</b>	
MPD-194	96 X 96 X 62	7500	CT Ratio Selectable up to 5/5 to 9999/5A AC, 1 $\phi$ 2W / 3 $\phi$ 3W/ 3 $\phi$ 4W Selectable, Output : 2 Relay for tripping parameters Tripping Facility : OV, UV, OC, UC, OF, UF, Unbalance, SPP, PS, NF, Short Circuit, Lock rotor point + ELR With Winding Temperature Tripping Facility Supply : 50V-550V AC
<b>RS-485 Modbus</b>		<b>1050</b>	
MPD-1R	96 X 96 X 54	1700	CT Ratio Selectable up to 5/5 to 9999/5A AC, 1 $\phi$ 2W, Output : 1 Relay for tripping parameters Tripping Facility : OV, UV, OC, UC Supply : 100-270V AC/DC
MPD-152 (Din Rail - 55mm)	75 X 55 X 110	2640	CT Ratio Selectable up to 5/5 to 6000/5A AC, 3 $\phi$ 3W/ 3 $\phi$ 4W Selectable, Output : 1 Relay for tripping parameters Tripping Facility : Over Voltage, Under Voltage , Over Current, Under Current, Unbalance, SPP, Phase Sequence, Over Frequency, Under Frequency, Neutral Loss, Short Circuit, Lock rotor point Supply : 100-270V AC

<b>VOLTAGE &amp; CURRENT PROTECTION RELAY - DIN RAIL (HSN - 85363000)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
VPR-35	90 X 35 X 62	2185	Voltage Range : 30 to 300V AC (L-N) / 50 to 520V AC (L-L) Output : 1 Relay Tripping Facility : Over Voltage, Under Voltage , Phase Asymmetry, SPP, Phase Sequence, Over Frequency, Under Frequency, Neutral Loss Supply : 100-270V AC/DC
VPR-33T	90 X 35 X 62	2025	Voltage Range : 160V-300V AC (L-N), 260-520V AC (L-L) Output : 2 Relay Tripping Facility : Over Voltage, Under Voltage , Phase Asymmetry, SPP, Phase Sequence, Over Frequency, Under Frequency Supply : Self Powered

CPR-22	90 X 22.5 X 72	1295	Current Range : 100mA to 5A AC, (1CT Input) Tripping Facility : Over Current, Under Current Output : 1 Relay Supply : 100-270V AC
CPR-35-1C	90 X 35 X 62	1810	Current Range : 0 to 999A AC, (1CT Input) Tripping Facility : Over Current, Under Current Output : 1 Relay Supply : 100-270V AC
CPR-35-3C	90 X 35 X 62	2225	Current Range : 0 to 999A AC, (3CT Input) Tripping Facility : Over Current, Under Current, SPP Output : 1 Relay Supply : 100-270V AC
VPR-22	90 X 22.5 X 72	1250	Voltage Range : 280 to 520V AC (L-L) Tripping Facility : Over Voltage, Under Voltage, Phase Asymmetry, Phase Loss, Phase Sequence Output : 1 Relay Supply : Self Powered
VPR-22U	90 X 22.5 X 72	1350	Voltage Range : 280 to 520V AC (L-L) Tripping Facility : Over Voltage, Under Voltage, Phase Asymmetry, Phase Loss, Phase Sequence, <b>with Selectable Trip Delay Time</b> Output : 1 Relay Supply : Self Powered
SVR-22	90 X 22.5 X 72	975	Voltage Range : 160 to 300V AC (1Ø 2W) Tripping Facility : Over Voltage, Under Voltage Output : 1 Relay Supply : Self Powered
SVR-22U	90 X 22.5 X 72	1050	Voltage Range : 160 to 300V AC (1Ø 2W) Tripping Facility : Over Voltage, Under Voltage, with Selectable Trip Delay Time Output : 1 Relay Supply : Self Powered
VPR-17	90 X 17.5 X 62	1350	Voltage Range : 280 to 520V AC (L-L) Tripping Facility : Over Voltage, Under Voltage, Phase asymmetry, Phase Loss, Phase Sequence, <b>With Selectable Trip Delay Time</b> Output : 1 Relay Supply : Self Powered
VPR-17U	90 X 17.5 X 62	1650	Voltage Range : 170 to 528V AC (L-L) <b>with Adjustable Rated Voltage Knob,</b> Tripping Facility : Over Voltage, Under Voltage, Phase asymmetry, Phase Loss, Phase Sequence, <b>With Selectable Trip Delay Time</b> Output : 1 Relay Supply : Self Powered
PSR-17 (Single Phase Preventor)	90 X 17.5 X 62	950	Voltage Range : 154 to 500V AC (L-L) Tripping Facility : Phase asymmetry, Phase Loss, Phase Sequence Output : 1 Relay Supply : Self Powered
SPP-17-E (Single Phase Preventor)	90 X 17.5 X 62	1000	Voltage Range : 280 to 500V AC (L-L) Tripping Facility : Phase asymmetry, Phase Loss Output : 1 Relay Supply : Self Powered
SPP-22-E (Single Phase Preventor)	90 X 22.5 X 67.5	820	Voltage Range : 280 to 520V AC (L-L) Tripping Facility : Phase asymmetry, Phase Loss Output : 1 Relay Supply : Self Powered
SPP-22 (Single Phase Preventor)	90 X 22.5 X 67.5	770	Voltage Range : 280 to 520V AC (L-L) Tripping Facility : Phase asymmetry, Phase Loss, Phase Sequence Output : 1 Relay Supply : Self Powered

V22-RYB (Single Phase Preventor)	90 X 22.5 X 72	865	Voltage Range : 280A to 520V AC, (L-L) Output : 1 Relay Tripping Facility : Phase Asymmetry, Phase Loss, Phase Sequence Supply : Self Powered
V22-RYB-E (Single Phase Preventor)	90 X 22.5 X 72	915	Voltage Range : 280A to 520V AC, (L-L) Output : 1 Relay Tripping Facility : Phase Asymmetry, Phase Loss, Supply : Self Powered
VR-3K	90 X 35 X 63	1625	Voltage Range : 280A to 520V AC, (L-L) Network Selection : 3Ø3W Output : 1R2C/O Tripping Facility : Over Voltage, Under Voltage, Phase Asymmetry, Phase Loss, Phase Sequence Supply : Self Powered
VR-3KN	90 X 35 X 63	1625	Voltage Range : 160V AC to 300V AC, (L-N) Network Selection : 3Ø4W Output : 1R2C/O Tripping Facility : Over Voltage, Under Voltage, Phase Asymmetry, Phase Loss, Phase Sequence, Neutral Loss Supply : Self Powered
VR-3K4	90 X 35 X 63	1725	Voltage Range : 130V to 300V AC, (L-N) Network Selection : 3Ø4W / 1Ø2W Output : 1R2C/O Tripping Facility : Over Voltage, Under Voltage, Phase Asymmetry, Phase Loss, Phase Sequence Supply : 240V AC
CR-3K	90 X 35 X 63	1450	Current Range : 100mA to 5A AC (3CT Input) Tripping Facility : Over Current, Under Current, Output - 1 Relay Supply : 100-270V AC
VDC-35 (DC Voltage Protection Relay)	90 X 35 X 63	2135	Voltage Range : 18V to 70V DC / 70-300V DC Output : 2 Relay Tripping Facility : Over Voltage, Under Voltage Supply : Self Powered

**VOLTAGE & CURRENT PROTECTION RELAY - PANEL MOUNTED (HSN - 85363000)**

Model	Size (H X W X D)mm	MRP	Item Description
VMR-132	96 X 96 X 43	2745	Voltage Range : 30 to 300V AC (L-N) / 50 to 520V AC (L-L) Output : 2 Relay Tripping Facility : Over Voltage, Under Voltage , Phase asymmetry, SPP, Phase Sequence, Over Frequency, Under Frequency, Neutral Loss Supply : 50V-550V AC
VMR-13	96 X 96 X 43	2390	Voltage Range : 30 to 300V AC (L-N) / 50 to 520V AC (L-L) Output : 1 Relay Tripping Facility : Over Voltage, Under Voltage , Phase asymmetry, SPP, Phase Sequence, Over Frequency, Under Frequency, Neutral Loss Supply : 50V-550V AC
VMR-232	72 X 72 X 45	2745	Voltage Range : 30 to 300V AC (L-N) / 50 to 520V AC (L-L) Output : 2 Relay Tripping Facility : Over Voltage, Under Voltage , Phase asymmetry, SPP, Phase Sequence, Over Frequency, Under Frequency, Neutral Loss Supply : 50V-550V AC
VMR-23	72 X 72 X 45	2390	Voltage Range : 30 to 300V AC (L-N) / 50 to 520V AC (L-L) Output : 1 Relay Tripping Facility : Over Voltage, Under Voltage , Phase asymmetry, SPP, Phase Sequence, Over Frequency, Under Frequency, Neutral Loss Supply : 50V-550V AC
CPR-19	96 X 96 X 54	2970	CT Ratio Selectable Upto 5/5 to 9999/5A AC, Output : 1 Relay for tripping parameters, Tripping Facility : Over Current, Under Current , Unbalance, SPP, Short Circuit, Lock rotor point, Supply : 100-270V AC/DC
DGMR-132	96 X 96 X 54	3850	Input : 3Ph-4W Mains Input + 230V AC DG, Pulse, Output : 3 Relay - 1st R for Mains Fail, 2nd R for Main Contactor, 3rd R for DG Contactor

<b>EARTH TO NEUTRAL VOLTAGE RELAY (HSN - 85363000)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
EN-19N	96 X 96 X 54	3600	Input : 10.00V AC Output : 1 Relay for Tripping Supply : 100-270V AC
ENR-35-M1	90 X 35 X 72	5650	
<b>Options : RS-485 Modbus Communication in EN-19N</b>		<b>1050</b>	

<b>EARTH LEAKAGE RELAY (HSN - 85363000) &amp; CBCT</b>			
Model	Size (H X W X D)mm	MRP	Item Description
ELR-19N	96 X 96 X 54	2690	Input : 30mA to 30.00A AC through External CBCT Output : 2 Relay (1 Relay in ER-2K) External Test & Reset Key Supply : 100-270V AC/DC
ELR-11 (Display with Knob)	96 X 96 X 54	2690	
ELR-35	90 X 35 X 63	2145	
ER-2K	90 X 35 X 63	1850	
<b>RS-485 Modbus in ELR-19N</b>		<b>1050</b>	
EFR-35 (Earth Fault Relay)	90 X 35 X 63	1980	Input : 5 Amp through External CBCT Output : 2 Relay Supply : 100-270V AC/DC

<b>EARTH LEAKAGE RELAY - BUILT IN CBCT (HSN - 85363000)</b>			
ECT-35D	40 X 75 X 102	2150	Input : 30mA to 3.00A AC through Internal CBCT Output : 1 Relay for Tripping -ID 35mm Built in CBCT Supply : 100-270V AC/DC
ECT-35 (Set By Knob)	40 X 75 X 102	1950	Input : 30mA to 3.00A AC through Internal CBCT Output : 1 Relay for Tripping -ID 35mm Built in CBCT Supply : 100-270V AC/DC
ECT-70D	40 X 75 X 102	3150	Input : 30mA to 30A AC through Internal CBCT Output : 1 Relay for Tripping -ID 70mm Built in CBCT Supply : 100-270V AC/DC
ECT-70 (Set By Knob)	40 X 75 X 102	2950	Input : 30mA to 30A AC through Internal CBCT Output : 1 Relay for Tripping -ID 70mm Built in CBCT Supply : 100-270V AC/DC

## MULTIFUNCTION METERS

<b>DC MULTIFUNCTION METER (HSN - 90283090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
MFM-14DC	96 X 96 X 54	3620	LED 6+4+4+4 Digit Input : -75mV DC to 75mV DC -999A DC to 9999A DC 0V to 1500V DC Supply : 100-270V AC/DC
<b>Option : RS-485 Modbus Communication</b>		<b>1050</b>	
<b>Option : 2 Relay Output</b>		<b>1350</b>	
<b>Aux Supply : 24-270V AC/DC</b>		<b>955</b>	

<b>AC SINGLE PHASE MULTIFUNCTION METER (HSN - 90283090)</b>			
Model	Size (H X W X D)mm	MRP	Item Description
PM 11	96 X 96 X 54	2860	LED 3+3+3 Digit CT Input : 1 $\emptyset$ , Voltage Input : 1 $\emptyset$ 2W, CT Primary : 5A to 9999A, CT Secondary : 5A & 1A Selectable : 30V to 300V AC Supply : 100-270V AC/DC
<b>Option : RS-485 Modbus Communication</b>		<b>1050</b>	

THREE PHASE MULTIFUNCTION METER (HSN - 90283090)			
Model	Size (H X W X D)mm	MRP	Item Description
MFM-11	96 X 96 X 54	3175	4 Digit 4 Line Red LED Display, Network Selection : 3Ø4W CT Primary : 9999A, CT Secondary : 5A AC, Voltage (L-L) : 50 to 520V AC, (L-N) 30 to 300V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW), Energy (Kwh), Power Factor (PF) Apparent Power (KVA), Reactive Power (KVA), Frequency Supply : 100-270V AC/DC
MFM-13	96 X 96 X 54	3900	4 Digit 3 Line Red LED Display, Network Selection : 3Ø4W / 3Ø3W / 1Ø2W CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW), Energy (Kwh), Power Factor (PF) Apparent Power (KVA), Reactive Power (KVA), Frequency Supply : 100-270V AC/DC
AVH-14	96 X 96 X 54	4070	8 Digit 1 Line, 4 Digit 3 Line Red LED Display, Network Selection : 3Ø4W / 3Ø3W / 1Ø2W CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVA), Frequency (F) Supply : 100-270V AC/DC
AVH-16	96 X 96 X 54	7450	8 Digit 1 Line, 4 Digit 3 Line Red LED Display, Network Selection : 3Ø4W / 3Ø3W / 1Ø2W CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVA), Frequency (F), THD (V,I), Supply : 100-270V AC/DC
AVH-16+	96 X 96 X 54	7930	8 Digit 1 Line, 4 Digit 3 Line Red LED Display, Network Selection : 3Ø4W / 3Ø3W / 1Ø2W CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVA), Frequency (F), THD (V,I), <b>Import-Export Energy, Neutral Current, Demand Measurement</b> Supply : 100-270V AC/DC
PQM-14	96 X 96 X 54	5500	3 Line LCD Display, Network Selection : 3Ø4W CT Primary : 9999A, CT Secondary : 5A /1A AC PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW), Energy (Kwh), Power Factor (PF), Apparent Power (KVA), Reactive Power (KVA), Frequency (F) Supply : 100-300V AC/DC
PQM-16	96 X 96 X 54	8500	5 Line LCD Display, Network Selection : 3Ø4W / 3Ø3W / 1Ø2W CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVA), Frequency (F), THD (V,I), <b>Import-Export Energy, Neutral Current, Demand Measurement</b> Supply : 100-300V AC/DC
PQM-16+	96 X 96 X 54	16350	5 Line LCD Display, Network Selection : 3Ø4W / 3Ø3W / 1Ø2W CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVA), Frequency (F), THD (V,I), <b>Import-Export Energy, Neutral Current, Demand Measurement, Data Logging, Real Time Clock</b> Supply : 100-300V AC/DC
PQM-18	96 X 96 X 54	35350	<b>Touch Screen Display,</b> Network Selection : 3Ø4W / 3Ø3W / 1Ø2W CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVA), Frequency (F), THD (V,I), <b>TDD</b> <b>Import-Export Energy, Neutral Current, Demand Measurement, Data Logging, Real Time Clock, Co2 KG, Alarms</b> Supply : 100-300V AC/DC
<b>Option : RS-485 Modbus Communication</b>		<b>1050</b>	

<b>DUAL SOURCE MULTIFUNCTION METER (HSN - 90283090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
DSM-14	96 X 96 X 54	4600	8 Digit 1 Line, 4 Digit 3 Line Red LED Display, CT Ratio Selectable Upto 5/5 to 6000/5A AC, Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVAR), Frequency (F) Supply : 100-270V AC/DC  <b>(EB+DG)</b>
DSM-11	96 X 96 X 54	3900	8 Digit 3 Line, Energy/Power Parameter, CT Ratio Selectable Upto 5/5 to 9999/5A AC, Supply : 100-270V AC/DC  <b>(EB+DG)</b>
<b>Option : RS-485 Modbus Communication</b>		<b>1050</b>	

<b>DIN RAIL MULTIFUNCTION METER (HSN - 90283090)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
EDC-351 (DC-MFM)	90 X 35 X 63	3500	Ampere : -999A DC to 9999A DC Voltage : -1000V to 1000V DC Supply : 24V to 270V AC/DC
EPM-35-M1 (AC-MFM)	90 X 35 X 63	3575	8 Digit 1 Line, 4 Digit 3 Line Red LED Display, CT Ratio Selectable Upto 5/5 to 9999/5A AC, Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVAR), Frequency (F) <b>Import - Export Energy, RS-485 Modbus</b> Supply : 100-270V AC/DC
EPM-70 (DIN RAIL)	90 X 70 X 60	6500	LCD Display, CT Primary : 9999A, CT Secondary : 5A /1A AC, PT Primary : 100V to 520KV AC, PT Secondary : 100V to 520V AC Parameters : L-L Voltage, L-N Voltage, Phase Current Active Power (KW) (Per Phase & Average), Energy (Kwh), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVAR), Frequency (F), <b>THD (V,I),</b> <b>Import-Export Energy, Neutral Current</b> Supply : 100-300V AC/DC

<b>AUTOMATIC POWER FACTOR CONTROLLER UPTO 16 STAGE (HSN - 85363000)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
APFC-108	144 X 144 X 70	5385	Input : 2 Phase Voltage, 1 Phase CT, Output : 8/12/14/16 Output
APFC-112		6830	
APFC-114		8750	
APFC-116		12020	
APFC-9608	96 X 96 X 54	4230	Input : 2 Phase Voltage, 1 Phase CT, Output : 8 Relay, Supply : 100-270V AC
APFC-308	144 X 144 X 70	15755	Input : 3 Phase Voltage, 3 Phase CT, Output : 8/12/16 Output Supply : 100-270V AC
APFC-312		17155	
APFC-316		18255	

<b>MULTI CHANNEL CURRENT TRANSDUCER (HSN - 90329000)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
MCS-63-360	76 X 27 X 85	2450	Input Current : 1A to 60A (3CT) Output : Modbus Supply : 24V DC
MCS-63-460		3050	Input Current : 1A to 60A (4CT) Output : Modbus Supply : 24V DC
MCS-63-660		4050	Input Current : 1A to 60A (6CT) Output : Modbus Supply : 24V DC
MCS-63-860		6550	Input Current : 1A to 60A (8CT) Output : Modbus Supply : 24V DC
MCS-63-3-100		3550	Input Current : 4A to 100A (3CT) Output : Modbus Supply : 24V DC

<b>OVERLOAD RELAY (HSN - 85363000)</b>			
<b>Model</b>	<b>Size (H X W X D)mm</b>	<b>MRP</b>	<b>Item Description</b>
OLR-05A	70 X 71 X 91	1550	Current Range : 0.1A to 5A AC Tripping Facility : Over Current Output - 1 Relay Supply : 230V AC
OLR-110		1550	Current Range : 1 to 10A AC Tripping Facility : Over Current Output - 1 Relay Supply : 230V AC
OLR-1030		1650	Current Range : 10A to 30A AC Tripping Facility : Over Current Output - 1 Relay Supply : 230V AC
OLR-1060		1735	Current Range : 10A to 60A AC Tripping Facility : Over Current Output - 1 Relay Supply : 230V AC
OLR-3060		1735	Current Range : 30A to 60A AC Tripping Facility : Over Current Output - 1 Relay Supply : 230V AC
OLR-25100		2150	Current Range : 25A to 100A AC Tripping Facility : Over Current Output - 1 Relay Supply : 230V AC
OLR-50100		2150	Current Range : 50A to 100A AC Tripping Facility : Over Current Output - 1 Relay Supply : 230V AC

### AC-DC TESTING PANEL

Model	MRP	Item Description
AC-DC-15A	11500	4 Digit + 4 Line, 4 Digit 3 Line Red Display , Parameters : AC Parameters : Ampere, Voltage, Power Factor, Watt DC Parameter : Ampere, Voltage, Efficiency, Watt, Supply : 230V AC
Option : RS-485 Modbus Communication	1050	

### DC DRIVES

#### PANEL MOUNTED (HSN - 85044029)

Model	Size (H X W X D)mm	MRP	Item Description
TD-144	140 X 140 X 190	5310	0.5 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 3A DC Supply : 230V AC
TD-144	140 X 140 X 190	5620	1.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 5A DC Supply : 230V AC
TD-144	140 X 140 X 190	6800	2.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 10A DC Supply : 230V AC
TD-144	140 X 140 X 190	7040	3.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 15A DC Supply : 230V AC

#### WALL MOUNTED (HSN - 85044029)

Model	Size (H X W X D)mm	MRP	Item Description
TD-13M	170 X 235 X 85	4000	0.5 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 3A DC Supply : 230V AC
TD-13M	170 X 235 X 85	4640	1 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 5A DC Supply : 230V AC
TD-13M	210 X 285 X 110	5570	2.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 10A DC Supply : 230V AC
TD-13M	210 X 285 X 110	5860	3.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 15A DC Supply : 230V AC
TD-13M	210 X 285 X 110	7430	5.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 15A DC Supply : 230V AC

**BOX TYPE, WALL MOUNTED WITH START/STOP PUSH BUTTON (HSN - 85044029)**

Model	Size (H X W X D)mm	MRP	Item Description
TD-13B	160 X 240 X 95	5835	0.5 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 3A DC Supply : 230V AC
TD-13B	160 X 240 X 95	6335	1.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 5A DC Supply : 230V AC
TD-13B	230 X 300 X 105	7835	2.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 10A DC Supply : 230V AC
TD-13B	230 X 300 X 105	8695	3.0 HP Field Voltage : 210V DC Armature Voltage : 20-200V DC Output Current : 15A DC Supply : 230V AC

**SSR (HSN - 85364900)**

Model	Size (H X W X D)mm	MRP	Item Description
RS-25A	62 X 45 X 25	385	Input Voltage : 4V - 32V DC Output Voltage : 24V - 480V AC, Load Current : 25A
RS-40A	62 X 45 X 25	435	Input Voltage : 4V - 32V DC Output Voltage : 24V - 480V AC, Load Current : 40A
RS-50A	62 X 45 X 25	810	Input Voltage : 4V - 32V DC Output Voltage : 24V - 480V AC, Load Current : 50A
RS-70A	62 X 45 X 25	1080	Input Voltage : 4V - 32V DC Output Voltage : 24V - 480V AC, Load Current : 70A
RS-40PA	62 X 45 X 25	1050	Input Voltage : 4-20mA DC Output Voltage : 230V AC, Load Current : 40A

**Heat Sink (HSN - 90329000)**

Model	Size (H X W X D)mm	MRP	Item Description
HSS	44 X 68 X 32	175	Current Capacity With RS 24A-16A, RS 40A-18A, RS 50A-26A, RS 70A-29A
HSM	47 X 87 X 80	540	Current Capacity With RS 50A-32A, RS 70A-36A
HSL	72 X 87 X 80	770	Current Capacity With RS 70A-44A

**WATER LEVEL CONTROLLER (HSN - 90328910)**

Model	Size (H X W X D)mm	MRP	Item Description
WLC-22 (Single Tank)	90 X 22.5 X 72	1375	Sensitivity : Up to 1M Ohm Output : 1R1C/O Supply : 100-270V AC
WLC-32 (Dual Tank)	90 X 35 X 63	1785	
Probe for WLC (1 NOS)		110	

**Power Supply - Din Rail Mount (HSN - 85044090)**

Model	Size (H X W X D)mm	MRP	Item Description
PS24-10A	125 X 55 X 95	6250	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,10A,240W
LPS24-10A	125 X 55 X 95	4250	Input Voltage : 180V-270V AC, Output Voltage : 24V DC,10A,240W
PS24-6.5A (Metal Body)	105 X 45 X 110	2875	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,6.5A,156W
PS24-6.5A-P	105 X 45 X 110	2600	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,6.5A,156W
PS24-5A (Metal Body)	105 X 45 X 110	2475	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,5A,120W
PS24-5A-P	105 X 45 X 110	2175	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,5A,120W
PS24-2.5A	90 X 45 X 84	1775	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,2.5A,60W
DPS24-2.5A	90 X 70 X 60	1875	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,2.5A,60W
PS24-1.5A	76 X 27 X 85	1775	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,1.5A,36W
PS24-1A	90 X 22.5 X 75	1150	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,1A,24W
PS24-0.5A	90 X 22.5 X 75	975	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,0.5A,12W
PS12-10A	105 X 45 X 110	2675	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,10A,120W
PS12-5A (Metal Body)	105 X 45 X 110	2475	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,5A,60W
PS12-5A-P	90 X 45 X 84	1450	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,5A,60W
PS12-2A	90 X 22.5 X 75	1150	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,2A,24W
PS12-1A	90 X 22.5 X 75	975	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,1A,12W
PS48-2.5A	105 X 45 X 110	2675	Input Voltage : 100V-270V AC, Output Voltage : 48V DC,2.5A,120W
PS48-5A-P	125 X 55 X 135	6250	Input Voltage : 100V-270V AC, Output Voltage : 48V DC,5A,240W
PS15-8A-P	105 X 45 X 110	2875	Input Voltage : 100V-270V AC, Output Voltage : 15V DC,8A,120W

**Power Supply - Wall Mount (HSN - 85044090)**

Model	Size (H X W X D)mm	MRP	Item Description
PSW24-14.6A	159 X 97 X 30	4250	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,6.5A,156W
PSW24-6.5A	159 X 97 X 30	2090	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,6.5A,156W
PSW24-5A	129 X 97 X 30	1765	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,5A,120W
PSW24-3A	99 X 97 X 30	1515	Input Voltage : 100V-270V AC, Output Voltage : 24V DC,3A,72W
PSW12-29A	99 X 97 X 30	4650	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,29A,350W
PSW12-17A	99 X 97 X 30	3070	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,17A,200W
PSW12-12.5A	99 X 97 X 30	2250	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,12.5A,150W
PSW12-8.5A	129 X 97 X 30	1950	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,8.5A,100W
PSW12-5A	99 X 97 X 30	1660	Input Voltage : 100V-270V AC, Output Voltage : 12V DC,5A,60W
PSW48-7.3A	99 X 97 X 30	4450	Input Voltage : 100V-270V AC, Output Voltage : 48V DC,7.3A,350W
PSW48-2.5A	99 X 97 X 30	1765	Input Voltage : 100V-270V AC, Output Voltage : 48V DC,2.5A,120W

### Customised Products

Model	Size (H X W X D)mm	MRP	Item Description
FDI-100 (Flame Proof)	142 X 142 X 86	6225	Temperature Indicator, Fixed Input
FRI-100 (Flame Proof)	142 X 142 X 86	6225	Input : Proximity, Range : 4 to 5000 RPM Supply : 24V DC / 12V DC
MDT-3006	48 X 96 X 120	6275	2 Input & 2 Output (Jumping Timer)
MI-631	76 X 27 X 116	3700	Input : 1K Pot (3 Wire) Output : 4 to 20mA Supply : 230V AC
MPC-5356	96 X 192 X 130	28650	Length Counter, Input : Encoder, 24V DC Supply, With 0 to 10V DC, PID O/P Reset at back
MPC-5356	96 X 192 X 130	28650	<b>Length Measurement,</b> Upper : 99999 Count Lower : MT/MIN, Input : Encoder & 0-10V DC Supply : 230V AC, Reset at Back, 2 Relay Output
MPC-5356	96 X 192 X 130	28650	<b>Traverse Measurement,</b> Upper : 99999 Count Input : Encoder Supply : 230V AC, Reset at Back, 3 Relay Output
MTC-1201	96 X 96 X 54	5250	Input : 0 to 1000V DC Output : 1 Relay (For Tripping), Hy. : 0 - 99 Selectable, Supply : 230V AC (Linear), Enter at back
SPI-2044	72 X 72 X 60	7250	Speed Indication with Pulse Input
SPI-4044	48 X 48 X 95	7250	Speed Indication with Pulse Input
RC-2006	72 X 72 X 60	18400	Haul Off Controller
PIC-410A	48 X 48 X 95	3850	Current / Voltage Source
SPI-21	72 X 72 X 50	3000	Process Indicator
FSC-1006	96 X 96 X 100	5100	Fill Seal Controller Input : Proximity NPN/PNP Output : 2 SSR + BUZZER
MMC-1340	96 X 96 X 54	8400	Programmable Counter Input : Proximity NPN/PNP (24V DC) Output : Relay + SSR
RTC-223PX	72 X 72 X 60	9750	Temperature Controller with Ampere (2 Line Display)
MMC-1048	96 X 96 X 54	7200	Total Count & Speed Indicator 8 Digit Total Count, 4 Digit RPM Input : NPN/PNP Proxi Selectable Output : 1 Relay 1C/O (ON TOTAL COUNT), RS-485 (MODBUS)
MH-200P (Hooter)	96 X 96 X 54	1300	Panel Mounting Hooter Input Voltage : 230V AC or 24V DC
MH-200W (Hooter)	96 X 96 X 54	1300	Wall Mounting Hooter Input Voltage : 230V AC or 24V DC
MTC-1203	96 X 96 X 54	5250	Input : J/K/PT-100 (Factory Set) Output : 3 Relay (Heating/Cooling Factory Set) Supply : 100-250V AC
MTC-1204	96 X 96 X 54	6100	Input : J/K/PT-100 (Factory Set) Output : 4 Relay (Heating/Cooling Factory Set) Supply : 100-250V AC
RPM 308-M1	48 X 96 X 75	3595	Input : NPN/PNP Proximity Range : 4 to 9999 RPM Output : RS 485 Modbus Supply : 100-270V AC
DTT-3086-M1	48 X 96 X 75	5560	Input : 230V AC Enable Pulse / Proximity / 24V DC Enable Pulse Range : 0 to 9999.59.59 Hr/Min/Sec Selectable Output : RS 485 Modbus Supply : 100 to 270V AC/DC

RTC-1058	96 X 96 X 54	4000	Display : 23:59:59 (Hr:Min:Sec) Output : 1 Relay (16 Program) Supply : 100 - 270V AC
TCS-35 Time Switch	90 X 35 X 63	2015	LCD Display, 23:59:59 HH:MM:SS, 1 Relay (16A), (50 Program ON-OFF) Supply : 230V AC
LR-35	90 X 35 X 63	2500	Logic Relay Input : 2 Micro Switch, Output : 2 Relay (NO-C-NC), Supply : 100 to 270V AC
WTR-35	90 X 35 X 63	1915	Input : PTC,RGB LED, Output : 1 Relay 2C/O, Supply : 50V-550V AC Reset by Terminal and Front Key
RTC-2303-1C	72 X 72 X 60	11500	Input : J/K (Configurable), Output : 3 Relay, Control Action : PID/TP/ON-OFF (Configurable), With 60A Single CT Supply : 100-270V AC
RTC-2303-3C	72 X 72 X 60	11750	Input : J/K (Configurable), Output : 3 Relay, Control Action : PID/TP/ON-OFF (Configurable), With 60A Three CT - Module Supply : 100-270V AC
SN-634	76 X 27 X 85	8850	Synchronizer Unit Input : 0-10V DC Output : Dual 0-10V DC, Aux Supply : 100-270V AC
LD-632	76 X 27 X 85	7500	Input : 0-33.33mV DC Output 1 : 0-10V DC Retransmission, Output 2 : 2V to 10V DC Excitation Supply Aux Supply : 100-270V AC
DPR-222	72 X 72 X 45	9750	Input : Pressure + Temperature Input Output : 1 Relay + Buzzer, Aux Supply : 100-250V AC
RCS-63	76 X 27 X 110	9750	Input Current : 0.6A to 60A (8CT), Output : Modbus Supply : 24V DC High Speed
SLC-445	48 X 48 X 95	6250	Input : NPN Proxy + Start Pulse, Output : 1 Relay + Buzzer Aux Supply : 100 - 250V AC High Speed
AVH-14-RT	96 X 96 X 54	9450	8 Digit 1 Line, 4 Digit 3 Line Red LED Display , CT Ratio Selectable upto 5/5 to 6000/5A AC, Parameters : P-P Voltage, P-N Voltage, Phase Current, Active Power (KW) (Per Phase & Average), Energy (KWH), Power Factor (PF) Per Phase & Average, Apparent Power (KVA), Reactive Power (KVAR), Frequency (F), 0-10V DC Retransmission on Kw Supply : 100 - 270V AC/DC

## Accessories Products

Model	Size (H X W X D)mm	MRP	Item Description
Din 60A-1CT		450	60A Direct Single Phase CT, Din Rail
Din 30AX	70 X 55 X 76	1075	30A Direct 3 Phase CT Module, Din Rail, ID : 10mm
Din 60AX	70 X 55 X 76	1320	60A Direct 3 Phase CT Module, Din Rail, ID : 10mm
Din 125AX	70 X 70.5 X 91	1545	125A Direct 3 Phase CT Module, Din Rail, ID : 16mm
MCT 60A		1320	60A Direct 3 Phase (3 Separate CT), ID : 20.5mm
MCT 125A		1545	125A Direct 3 Phase (3 Separate CT), ID : 35mm
MCT 250A		2635	250A Direct 3 Phase (3 Separate CT), ID : 55mm
CBCT 35P-M		1015	Polycarbonate CBCT, ID : 35mm
CBCT 70P-M		1275	Polycarbonate CBCT, ID : 70mm
CBCT 120P-M		1550	Polycarbonate CBCT, ID : 120mm
CBCT 210P-M		2450	Polycarbonate CBCT, ID : 210mm
CBCT 70T		1050	Tapewound CBCT, ID : 70mm
CBCT 120T		1200	Tapewound CBCT, ID : 120mm
CBCT 210T		2200	Tapewound CBCT, ID : 210mm
CBCT 310T		3700	Tapewound CBCT, ID : 310mm

## NOTE

MRP is changed in yellow marked models

## TERMS & CONDITIONS

1. Above prices are Ex-Works State & Central Taxes inclusive.
2. Tax value on invoices is applicable as per GST rates.
3. Packing and forwarding charges will be extra as applicable.
4. Warranty: 12 Months from the date of invoice against any manufacturing defects.
5. Any additional customization in terms of features would be charged extra.
6. Visit charges of engineer for installation or repairing would be charged extra.
7. Charges for internal laboratory calibration report will be applicable extra.
8. The above prices are subject to change without any notice as per raw material cost changes & labour cost charges.
9. Order cancellation charges for stock products will be 10% of the order value.
10. Order for customized products will be against advance only and once placed cannot be cancelled.
11. Subject to Ahmedabad jurisdiction.

# Worldwide Presence



## Asia

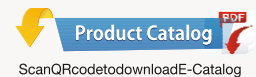
Bahrain  
Indonesia  
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Myanmar  
Oman  
Qatar  
Saudi Arabia  
Singapore  
Syria  
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Botswana  
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