

DIGITAL CLOCK



DIGITAL CLOCK - GPS

MODEL : DC 242/442/642/842/1242 - GPS

Master & Slave type of Digital clocks are suitable for large Institutions or Factories where more number of Clocks are required and all the clocks should display same timings. Any number of slave units can be connected in this system. Master can also be synchronized with main PLC or main computer clock other than GPS..



DIGITAL CLOCK - Wi-Fi

MODEL : DC 242/442/642/842/1242 - WiFi

Digital Clock - WiFi can be connected to WiFi network, its time is updated through the Internet using wifi. Compatible with multiple Digital Clocks, once synced, they will all display the synchronized time as the time is updated on a real time basis

RUDDER ANGLE INDICATOR



ANALOG TYPE INDICATOR

Power : 24V DC
Indication : port & starboard side LED glows when angle reaches to the end
Input : From Potentiometer
Output : Retransmission output 4 - 20mA
Display : Display sides can be interchanged using Terminal strip
Dimensions: 96 x 96 x 82mm
Cutout size : 92 x 92mm

Application : To Indicate the position of Rudder for Ships and Boats



DIGITAL TYPE INDICATOR

Power : 12V DC / 24V DC Selectable
Indication : Separate LED for Port & Starboard side LED
Input : From Potentiometric sensor unit
Output : Retransmission output 4 - 20mA / RS 485
Display Interchange: Display sides can be interchanged using DIP switches
Dimension : 235 x 145 x 50mm with knobs

Application : To Indicate the position of Rudder for Ships and Boats

NON CONTACT INFRARED PYROMETER

MODEL : NTS 600-4-20



Temperature range	:	0 °C ~ 600 °C
Output	:	4 - 20mA
Optical resolution up to	:	30:1
Response time	:	150ms
Housing	:	IP 65 stainless steel
Cable	:	Standard 2m cable
Environmental Rating	:	IP 65
Sensing range	:	500 mm (will vary w.r.t size of the object)
Ambient Temperature	:	0 °C to 50°C
Relative Humidity	:	10 to 95%, non-condensing
Cable Temperature	:	0 °C to 50°C
Emissivity	:	Settable using software

MODEL : NTS10 1600P / 1300P / 600P

MODEL : NTS50 1600P / 1300P / 600P



SPECIFICATIONS:

NTS10 / 50	1600P	1300P	600P
Power	24V DC	24V DC	24V DC
Output	4-20mA	4-20mA	4-20mA
Spectral response	1µm	1.6µm	2.3µm
Temp.Range	600-1600	300-1300	100-600
Accuracy	0.5%	0.5%	0.5%
Optics Resolution	300:1	300:1	140:1

MODEL : NTS 500



SPECIFICATIONS:

Temperature range	:	0 °C ~ 500 °C
Output	:	4 - 20mA
Optical resolution up to	:	15:1
Response time	:	150ms
Housing	:	IP 65 stainless steel
Cable	:	Standard 2m cable
Environmental Rating	:	IP 65
Sensing range	:	400mm (will vary w.r.t size of the object)
Ambient Temperature	:	0 °C to 40°C

Pyro-Alert Indicator Model : PAI 14



SPECIAL FEATURES:-

Power	- 230V AC
Output	- 4 - 20mA from Pyrometer
NTS 600	- Temperature Range Selection
	- 0 - 100, 0 - 150, 0 - 200, 0 - 250, 0 - 300, 0 - 400, 0 - 500, 0 - 600
Emissivity	- User Settable 0.1 to 0.96

Applications for IR Temperature Pyrometer

- Induction Heating
- Heat Treatment
- TMT Rod Manufacturing
- Steel Hot Rolling
- Steel Galvanizing
- Welding and Preheating Process
- Billet Temperature Measurement
- Molten Metal Temperature Measurement

SIGNAL ISOLATORS / LEVEL SENSOR / VOICE ANNUNCIATOR

	SIGNAL CONVERTER	SIGNAL CONVERTER	SIGNAL CONVERTER
			
Model	0-10V DC : 0-10V DC 0-10V DC : 4-20mA 4-20mA : 0-10V DC 4-20mA : 4-20mA	4 - 20mA : 0-10V DC + 4 - 20mA 4 - 20mA : 0-10V DC + 0 -10V DC 4 - 20mA : 4-20mA + 4 - 20mA	0 - 10V DC : 0-10V DC + 4 - 20mA 0 - 10V DC : 0-10V DC + 0 -10VDC 0 - 10V DC : 4-20mA + 4 - 20mA
Input Output	0-10V DC or 4 - 20mA 0-10V DC or 4 - 20mA Isolated	4 - 20mA 0-10V DC or 4 - 20mA - 3 combination	0 - 10V DC 0-10V DC or 4-20mA -3 combination
Power Supply	24V DC or 230V AC		
Accuracy	(+/-)0.1% of FS		
Setting	Zero and Span Adjustable		
Max. Load	500 ohms		
Enclosure	DIN Rail Plastic Housing		
Dimensions	61 x 71 x 110mm		

	MAGNETIC LEVEL SENSOR	MAGNETIC LEVEL SENSOR	ANALOG LEVEL TRANSMITTER
			
MODEL	MLS 100 / 200 - Single / Two Level MLS 300 / 400 - Three / Four Level	FS 03	LEVEL TRANSMITTER Float Type with Insertion Rod
Output Current	Short when level is sensed 100mA	SPST NO 1Amp Max SS	4 - 20mA 100mA Magnetic Float (reed switch at 10mm pitch)
Float	SS / PU		
Power Supply	10 - 30V DC	24V DC	24V DC
Stem Mounting	SS	SS	SS
No. of level	1 / 2 / 3 / 4	1	Active level : 160 / 400 / 600mm
Length of sensor	as per customer requirement	60mm	Overall length : 195 / 435 / 635mm
Working Temp	upto 55 Degree C		
Flange	Aluminium Flange	M 12 threaded	

	VOICE ANNUNCIATOR	VOICE ANNUNCIATOR	ELECTRONIC HOOTER
			
MODEL	VUR 08 - 220 VUR 08 - 24	VUR 08 - 250BCD - Input BCD /RS485 VUR 08 - 250MD - Input Modbus	HT 04 HT 04 A - With Acknowledge
No. of Input	8	8 / 250 / 500 / 2000	Supply : 230V AC
Sound Level	Upto 70 DB max		Voltage Variation: +/- 10% of nominal supply
Power Supply	230V AC/ 24V DC		Current : 25mA (Max.)
Audio format	Mp3 File		Sound Level : 100dB@1meter +/- 10dB
Storage Device	8 GB SD Card		Tone : Continuous and Beeper
Power consumption	5 Amp		Housing : ABS Plastic Flush Type
Max. Playback time	10 min per channel		Dimension : 96 x 96 x 65mm
Dimension	96 x 96 x 60mm		Cut out size : 92 x 92mm

CONVEYOR SAFETY PRODUCTS

PULL CORD SWITCH

Model : PCS 01 - 1NO + 1NC / TB / L / MF
Model : PCS 02 - 2NO + 2NC / TB / L / MF



Contact : 1 NO + 1 NC / 2 NO + 2 NC
With Terminal Block / Indication Lamp / with Mechanical Flag
Grade : IP 65 Protection
Enclosure : Cast aluminium with powder coating
Contact Rating : 10 Amp Res. 240V AC
Reset : Manual
Action : Toggle type stay put action
Cable : 2 Nos 19mm 2/4 inch with plastic plug

BELT SWAY SWITCH

Model : BSS 01 - 1NO + 1NC / TB / L
Model : BSS 02 - 2NO + 2NC / TB / L



Contact : 1 NO + 1 NC / 2 NO + 2 NC
With Terminal Block / Indication Lamp
Grade : IP 65 Protection
Enclosure : Cast aluminium with powder coating
Contact Rating : 10 Amp Res. 240V AC
Reset : Manual
Action : Toggle type stay put action
Cable : 2 Nos 19mm 2/4 inch with plastic plug

ZERO SPEED SWITCH

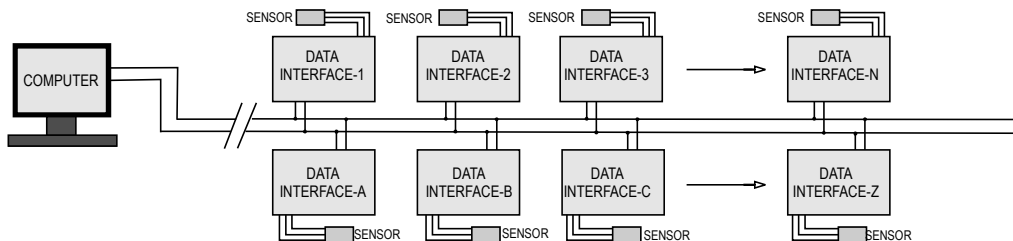
Model : ZSH 101



Power : 110V / 230V AC, 50 Hz
Speed Range : 5 - 5000 RPM Adjustable
By - pass Delay : 1 - 30 Sec. Adjustable
Nuisance Delay : 1 - 30Sec. Adjustable
Output : 2 NO + 2 NC 5 Amp@230V AC
Enclosure : Cast Aluminium powder coating
Grade : IP 65 Sensor : M 30 NPN NO
Sensor Range : 15mm
Sensor Enclosure : IP 67 Nickel Chrome plated

DATA LOGGING SYSTEMS :

We offer Data Logging System for sensing various parameters and collecting the data directly to the Computer. Data such as production figures, Length, number of pieces, Temperature, pressure, current, voltage, power, or any such parameter can be sensed and recorded in a Computer with real time details. Various reports can be generated which are required by management for further analysis. Here the sensing of Data and Data entry to Computer is fully automatic.



WIRELESS DATALOGGING:

We offer Data logging WiFi based communication, Software will show all 8 displays counters on the front end on computer. Reports will also be available in excel file

- PC based software for datalogging- No. of channel - 8 selectable- Data will open in excel
- Communication is Wireless using Local WiFi - Daily report - File will save in *.csv format
- Report will in format date , time and Value

	A	B	C
1	DATE	TIME	VALUE
2	11/07/23	0.09.30	2314
3	11/07/23	0.09.33	2410
4	11/07/23	0.09.36	2460
5	11/07/23	0.09.39	2550
6	11/07/23	0.09.42	2590

SD - CARD DATALOGGERS:



We offer digital display with SD Card Storage facility, digital, Analog , Temperature, 4-20 mA, 0-10 VDC inputs. Values are stored in SD Cards and report can be displayed on excel sheets for further analysis.

Supply : 220 Volts AC

Display : ½ inch seven segment display | No. of Digit : 6

Input : Through PNP Sensor / Potential free | Storage : SD Card

Storage Sampling Rate : 03 Sec. to 1 Hour | Folders / Files Type : Year / Month / Day

Dimension : 96 x 96 x 110mm | Type : Panel Mounting

ENERGY SAVING PRODUCTS

TWILIGHT SWITCH		WEATHERPROOF TWILIGHT	LIGHT SENSOR
			
Model Sensor Housing Dimension Load Power Supply Output Sensitivity Adj. Suitable for Function	STM 105 / STD 105 12D x 35 L mm with 2 mtr cable Metal Powder coated housing STM - 117 x 155 x 50mm STD - 61 x 71 x 110mm 600 Watts 230V AC Potential free relay contact Adjustable Bulbs / Tubelight / CFL Light ON in the evening and OFF in the morning automatically	STW 110 12D x 35 L mm with 2 mtr cable Weatherproof FRP Housing 250 x 145 x 110mm 600 Watts	TS 105 In-Built Sensor ABS Plastic Housing 140 x 40 x 30mm 100 Watts Through Wires 220V AC
PIR MOTION SENSOR		PIR MOTION SENSOR	PIR MOTION SENSOR
			
MODEL Sensing Range Time Delay Maximum Load Detection Angle Power Output Contact Rating Sensitivity Adj. Day / Night Function	PIR 300 - Wall Mounting Adjustable 4 - 5 meters Adjustable Min. 10 Sec. to 5 Min. Upto 500 Watt 180 Degree 230V AC Through Terminal Strip 230V AC Through Terminal Strip 2A @220V AC Provided by Potentiometer Selection	PIR 360 - Ceiling Mounting Adjustable 4 meters Adjustable Min. 10 Sec. to 5 Min. Upto 500 Watt 360 Degree	MICRO 360 - Ceiling Mounting Adjustable 4 meters Adjustable Min. 10 Sec. to 12 Min. Upto 300 Watt 360 Degree Installation Range : 2 - 6 meters
PIR AC CONTROLLER		ALTERNATE AC TIMER	PUMP GUARD
			
Model : PAC 215 M - Metal Socket Model : PAC 215 P - Plastic Socket Power Supply: 230V AC 15Amp cable & Plug in Output : 230V AC at 15 Amp through socket Timer : User Selectable upto 10-15 min. PIR Motion Sensor - Range : 3 mtr Sensor : Wall mounting (ABS Plastic) Plastic socket - 200 x 90 x 60mm Metal socket - 434 x 535 x 55mm		Model : PAC 215 M - Metal Socket Model : PAC 215 P - Plastic Socket Power Supply: 230V AC Through cable Output : 230V AC Through Terminal Strip for output A and B Output : Through Relay outputs ON Time : Adjustable Upto 5 Hour OFF Time : Adjustable upto 5 Hour Timing Adj. : Adjustable by POT by user Indications : Provided for power and output Dimension : 200 x 90 x 60mm (Metal housing)	
		PG 1105/1205/1115/1215 - Single Phase PG 3105 DOL / 3205 DOL - Three Phase Power : 230V AC through cable Output : 220V AC through Socket Suitable for Single / Three Phase Indications : LED's Auto / manual : Switch Provided Type of wiring : Plug - In - type Type of Sensor : Float Sensor Dimension : 200 x 100 x 60mm Enclosure : Powder coated Metal box	

PRODUCTS FOR AUTOMATION

TEMP. + HUMIDITY TRANSMITTER



Power : 24V DC
Temp. Range : 0 - 50° C , IP 65
Humidity Range : 0 - 100 RH
Output : 2 x 4 -20mA (Dual)
Modbus RTU output - Models available
Accuracy For Humidity : $\pm 2\%$ RH
Accuracy for Temp. : $\pm 2\%$
Response Time : < 15 Sec.
Mount : Wall mount / Duct mount
Dimension : 100 x 100 x 60mm

SMS ALERT CONTROLLER



Power : 12V DC 2 Amp
Output : 2 Nos Relay output
Input : 3 Nos
Notification : Through SMS Alert
Programmable Relay : Latching
Enclosure : Weatherproof housing
To Switch ON or OFF devices connected
Application : Server Rooms, ON / OFF
Heaters, Water Pumps and Machines

WIRELESS TOKEN DISPLAY



Power : 230V AC
No. of Digit : 4 (Unit ID -1, Count - 3 digit)
Ringing bell : In - Built in Token calling unit
Switches : To increment / Decrement No.
Communication : Wireless RF (100 mtr
line of site , open Air)
Token calling unit : ABS plastic housing
Display unit : 410 x 170 x 65mm
Token Calling unit : 173 x 130 x 45mm

INTRINSICALLY SAFE LEVEL SENSOR



Power: 8V DC (7.7 - 9 V DC)
Load Resistance: 1K ohms
Output Current:
Reed Switch ON > 3mA
Output Current:
Reed Switch OFF < 1mA

NAMUR CONTROLLER



Model : NMD-1-230R / NMC-1-24R
Power : 230V AC / 24V DC
Input : 2 Wire ,NAMur Sensor
Output : Potential free Relay output
Indication : LED
Housing : DIN Rail Plastic
Dimension : 61 x 71 x 110mm

TRAFFIC LIGHT CONTROLLER



Power : 12V DC / 230V AC
Output : Relay contact / Solid State
No. of Output : 12 (For Red - 4 nos , Yellow - 4
nos & Green Lamp - 4 nos)
Display : 1/2 Inch seven segment display
All Timings : User Settable through 4 switches
Max. Time per Lap : 99 Seconds
Input : To Activate Blinker
RTC : RTC connected to activate & stop blinker

PNP-NPN / NPN-PNP CONVERTER



PNP to NPN Converter & NPN to PNP
Converter
Power : 10 - 30 V DC
Wire : 3 Wire type
Short Circuit protection : Available
Reverse Polarity protection : Provided
Housing : ABS Plastic
Current : 200mA
Dimension : 25 x 15 x 17mm

DISPLAY WITH MODBUS OUTPUT



Modbus - Event / Preset / Length Counter / RPM / Process / Temp. Indicator
Model : MEV / MPC / MLC / MRC / MMI / MTI - 14 / 242 / 442 / 642 / 842 / 1242
Power : 230V AC
Communication : RS 485
Output : Modbus RTU RS 485
Display : 1/2 / 2 / 4 / 6 / 8 / 12 inch Red Colour display
Display will read the data from Master
Our unit act as Slave

CUSTOMISED DISPLAYS AND ENCODER

ALPHANUMERIC DISPLAY



Power : 230V AC
Display : 6 inch P 10 LED Red Colour display
Input : RS 485 from PLC / Modbus RTU
Maximum 7 characters will be seen at a time on display
Customised display also available
Dimension : 740 x 200 x 60mm

ACCIDENT FREE DISPLAY



Power : 230V AC
Display : 4 Inch Seven Segment Display
Display Colour : Red
No. of Digit : 4
Inbuilt RTC Provided
Days will be Automatically increment by 1 every 24 Hour automatically at 00 hour
Dimension : 410 x 170 x 65mm

CUSTOMISED DISPLAYS



Power : 230V AC
Input : Sensor (PNP / NPN)
Display : 2 inch / 4 inch seven segment
Upper display : Target Value
Middle display: Actual Count
Lower display : Difference (Target - Actual)
Target Value - Set through key pendent
Enclosure : MS powder coated housing

GARBAGE CHUTE SYSTEM



Set Consists: Master and Slave
Supply : 12V DC
No. of Indication : Power , Ready , Busy , Sanitation
Output : Potential free relay contact
Communication : RS 485 serial to communicate with Master and Slave
Dimension : 48 x 96 x 110mm

WIFI BASED RTC BELL TIMER



Power : 230V AC Through Terminal
Display : LCD display - Real Time Clock
Output : C - NO Relay contact
Total No. of Setting : 2 Nos (1 - 30 / 15)
Weekly Plan : User Settable
Setting : Selectable upto 29 sec
Repeat Alarm : selectable upto 9 Rings.
Suitable for : Electric Bell , Buzzer , Hooter
Dimension : 210 x 120 x 50mm

CURRENT INDICATOR



Power : 230V AC
Display : 4 Inch seven segment display
No. of Digit : 4
Input : From CT 0 - 5 Amp
Display will show Current
Full Scale : User Settable
Enclosure : Metallic powder coated housing
Dimension : 410 x 170 x 65mm

PANEL MOUNTING 2 INCH DISPLAY



Power : 230V AC
Display : 2 inch seven segment display
No. of Digit : 4
Available in Totaliser, Timers, Process Indicator Counters, Temp. Indicator etc.
Housing : Panel mounting , Metallic powder coated housing
Dimension : 285 x 140 x 112mm
Cut out size : 275 x 98mm

ROTARY INCREMENTAL / ABSOLUTE ENCODER



Model : ES-E40-S6-3-T-24
ES - Electronic Switches
E - Encoder
40 - Housing Diameter
S - Shaft Type
6 - Shaft Diameter
3 - A, B, Z output phase
T - Output Totem pole
24 - Power Supply

Specifications:

Power : 24 VDC
Output : PNP / NPN / Line driver Type / Totem Pole/ Voltage output
Housing Diameter : 50 mm
Shaft diameter : 4 mm / 6 mm / 8 mm
Resolution : 100/ 200/ 360 /400/ 512/ 600/ 1024 upto 5000
Hollow Shaft type Encoder also available
Applications : Suitable for measuring angle, position, revolution, speed, acceleration, distance



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