

# ABM

## INSTRUMENT



## PRODUCTS

- Digital Temperature Controllers
- Digital Timers
- Din Rail Timers
- Process Indicator
- Digital Counters
- Single Phase Panel Meter
- RPM Indicator
- Thermocouples Type J, K, RTD & Etc.
- All Type Proxy



## TEMPERATURE CONTROLLER

### MODEL: TC-96, TC-72

DIMENSION	: 96X96X50, 72X72X85
PANEL CUTOOUT (MM)	: 92X92, 68X68
DISPLAY	: 4 digit, 0.56" inch, Red Led display
INPUT SENSOR	: J/K/PT-100 2W/3W
RANGE	: J(0 C-400 C & 0 C-600 C), K(0 C-1200 C) PT-100 2W/3W(0 C-400 C & -50.0 C-200.0 C)
OUTPUT	: 1C/O, 5A, 230V AC
SET POINT	: 1-Set Point (Push button to set SET Point)
CONTROL ACTION	: Time Proportional / ON-OFF
RESOLUTION	: J&K 1 CFix, PT-1002W/3W 0.1 C/1C
ACCURACY	: $\pm 1\%$ of FSD
POWER SUPPLY	: 230V AC, 50Hz

## UNIVERSAL TEMPERATURE CONTROLLER

### MODEL : UTC-961P, UTC-721P, UTC-421P

DIMENSION	: 96X96X50, 72X72X85
PANEL CUTOOUT (MM)	: 92X92, 68X68
DISPLAY	: Upper 4 digit, 0.56" inch, Red Led display - Process Value Lower 4 digit, 0.4" inch, Green Led display - Set Value
INPUT SENSOR	: J/K/PT-100 2W/3W
RANGE	: J(0 C-400 C), K(0 C-1200 C) PT-100 2W/3W(0 C-400 C & -50.0 C-200.0 C)
OUTPUT	: 1C/O, 5A, 230V AC, & SSR Both Parallel
SET POINT	: 1-Set Point
CONTROL ACTION	: ON-OFF / P/D
RESOLUTION	: J&K 1 CFix, PT-1002W/3W 0.1 C/1C
ACCURACY	: $\pm 1\%$ of FSD
POWER SUPPLY	: 230V AC, 50Hz



## TEMPERATURE INDICATORS

### MODEL : TI-96, TI-72

DIMENSION	: 96X96X50, 72X72X85
PANEL CUTOOUT (MM)	: 92X92, 68X68
DISPLAY	: 4 digit, 0.56" inch, Red Led display
INPUT SENSOR	: J/K/PT-100 2W/3W
RANGE	: J(0 C-400 C & 0 C-600 C), K(0 C-1200 C) PT-100 2W/3W(0 C-400 C & -50.0 C-200.0 C)
ACCURACY	: $\pm 1\%$ of FSD
POWER SUPPLY	: 230V AC, 50Hz

## DIGITAL LENGTH COUNTER

### MODEL : LC-1046, LC-2046

Dimension	: 96X96X50, 72X72X85
Panel Cutout (mm)	: 92X92, 68X68
DISPLAY	: upper 6 digits, 0.56" inch in 96, Red Led display - Meters upper 6 digits, 0.4" inch in 72, Red Led display - Meters Lower 4 digits, 0.4" inch, Green Led display - Meter per minute
INPUT SIGNAL	: NPN/PNP Proximity Switch
RANGE	: 0-99999.9
OUTPUT	: 1C/O, 5A, 230V AC, & SSR Both Parallel
SET POINT	: Single Set Point
DIAMETER RANGE	: 0-9999.99 mm
SETTING	: Front keypad programming
AUTO TIME	: 99.9 sec
RESET FACILITY	: Auto/Manual Reset facility & Front & Back Reset Available
MEMORY RETENTION	: Memory retention for power failure
POWER SUPPLY	: 230V AC, 50Hz
INDICATION	: LED for Relay Status Indication



## DIGITAL BATCH COUNTER

### MODEL : BC-1046, BC-2046



DIMENSION	: 96X96X50, 72X72X85
PANEL CUTOOUT (MM)	: 92X92, 68X68
DISPLAY	: upper 6 digits, 0.56" inch in 96, Red Led display - Total Count upper 6 digits, 0.4" inch in 72, Red Led display - Total Count Lower 4 digits, 0.4" inch, Green Led display - Batch Count
INPUT SIGNAL	: NPN/PNP Proximity Switch / Micro Switch
RANGE	: 0-999999
OUTPUT	: 1C/O, 5A, 230V AC, & SSR Both Parallel
SET POINT	: Set 1 & Set 2
SETTING	: Front keypad programming
AUTO TIME	: 99.9 sec
RESET FACILITY	: Auto/Manual Reset facility & Front & Back Reset Available
MEMORY RETENTION	: Non-Volatile Memory
POWER SUPPLY	: 230V AC, 50Hz
INDICATION	: LED for Relay Status Indication





## DIGITAL COUNTER TOTALISER MODEL : CT-1000, CT-2000, CT-56

Dimension	: 96X96X50, 72X72X85, 38X62X75
Panel Cutout (mm)	: 92X92, 68X68, 31X54
DISPLAY	: 6 digits, 0.56" inch, Red Led display – CT-1000 6 digits, 0.4" inch, Red Led display – CT-2000 6 digits, 0.36" inch, Red Led display – CT-56
INPUT SIGNAL	: NPN/PNP Proximity Switch/ Micro switch/ 230 V AC PULSE
INPUT FREQUENCY	: 80 Hz
RANGE	: 0-999999
RESET	: Manual Reset at Front Key
MEMORY RETENTION	: Non-Volatile Memory
POWER SUPPLY	: 230V AC, 50Hz

## DIGITAL PROGRAMMABLE COUNTER MODEL: PC-1044, PC-2044

DIMENSION	: 96X96X50
PANEL CUTOOUT (MM)	: 92X92
DISPLAY	: upper 4 digits, 0.56" inch IN 96, Red Led display – Process Value upper 4 digits, 0.4" inch IN 72, Red Led display – Process Value Lower 4 digits, 0.4" inch, Green Led display – Set Value
INPUT SIGNAL	: NPN/PNP Proximity Switch /Micro switch
RANGE	: 0-9999 Count
OUTPUT	: 1C/O, 5A, 230V AC, & SSR Both Parallel
SET POINT	: 1- Set point
SETTING	: Front keypad programming
AUTO TIME	: 99.9 sec
RESET FACILITY	: Auto/Manual Reset facility & Front & Back Reset Available
MEMORY RETENTION	: Non-Volatile Memory
POWER SUPPLY	: 230V AC, 50Hz
INDICATION	: LED for Relay Status Indication



## UNIVERSAL TIMER MODEL : AUT-1044, AUT-2044

Dimension	: 96X96X50, 72X72X75
Panel Cutout (mm)	: 92X92, 68X68
DISPLAY	: upper 4 digits, 0.56" inch IN 96, Red Led display – TIME upper 4 digits, 0.4" inch IN 72, Red Led display – TIME Lower 4 digits, 0.4" inch, Green Led display – Set TIME
INPUT SIGNAL	: NPN/PNP Proximity Switch /Micro switch
RANGE	: 99.99/999.9/9999 SEC/MIN/HR
OUTPUT	: 1C/O, 5A, 230V AC, & SSR Both Parallel
SET POINT	: 1- Set point- (Delayed ON / Instant ON ) 2- Set Point- ( cycle Mode )
SETTING	: Front keypad programming
RESET FACILITY	: Front & Back Reset Available
MEMORY RETENTION	: Yes/No ( Configurable)
POWER SUPPLY	: 230V AC, 50Hz
INDICATION	: LED for Relay Status Indication



## DIGITAL PRESETABLE TIMER MODEL : ADT-1310 (Quadra-I), ADT-2312(Quadra-II)

Dimension	: 96X96X50, 72x72x85
Panel Cutout (mm)	: 92X92, 68x68
DISPLAY	: 3 digit, 0.56" inch, Red Led display
TIME SETTING	: By Thumbwheel Switch
RANGE SETTING	: 3D=99.9/999min/sec Configurable by Dip switch
CONTROL OUTPUT	: 1-Relay or SSR
RELAY RETINGS	: 2 C/O, 5A, 230V AC
INDICATION	: LED For Relay Status Indication
START COUNTING TIME	: Starts on with power supply
OPERATING MODE	: Delayed ON
POWER SUPPLY	: 230V AC, 50 Hz



## PROGRAMMABLE LAUNDRY TIMER MODEL : FRT-1044



DIMENSION	: 96X96X50
PANEL CUTOOUT (MM)	: 92X92
DISPLAY	: upper 4 digits, 0.56" inch IN 96, Red Led display Lower 4 digits, 0.4" inch, Green Led display
RANGE	: 99.99/999.9/9999 SEC/MIN
OUTPUT	: 2 RELAY , 1 C/O, 5A, 230V AC,
SET POINT	: 4- SET POINT , FORWARD / STOP / REVERSE / TOTAL TIME
SETTING	: Front keypad programming
POWER SUPPLY	: 230V AC, 50Hz
INDICATION	: LED for Relay Status Indication



## DIGITAL PANEL METER MODEL : AV-11, AV-21, AV31

DIMENSION : 96X96X50, 72X72X85, 96X96X85  
 PANEL CUTOFF (MM) : 92X92, 68X68, 44X92  
 DISPLAY : 4 digits, 0.56" inch, Red Led display  
 RANGE : VOLT AC - 0 to 750  
 VOLT DC - 0 to 999  
 AMP AC - 0 to 20 Direct  
 0 to 5000/5 ct selectable  
 AMP DC - 0 to 20 Direct  
 0-9999/75 mV DC Shunt selectable  
 POWER SUPPLY : 230 V AC, 50 Hz



## DIN RAIL TIMER

DESCRIPTION	MODEL	OUTPUT CONTACTS	MODES	TIME RANGES
Low Cost, Single Range Single Function	900 S	1 C/O	ON : ON-Delay	60 : 60 Sec
2 Function, 12 Range	900 S	2 C/O	ON Delay / Interval	3 / 10 / 30 / 60 Sec / Min / Hr
Star-Delta Timer	900 SD	1 C/O Relay Each for Stars & Delta	Star - Delta	Run Up Time Range 30/60 Sec Change Over 50/100 m Sec
Cyclic with On Time & Off Time	900XC	2 C/O	Asymmetrical Cyclic ON First or OFF First	3/10/60 Sec/Min/Hr Both On & Off Time
Forward-Pause- Reverse	900XMR	1 C/O Relay Each for Forward & Reverse	Forward- Pause- Reverse	On Time : 1/2/4/8 Min Pause Time : 10/20/40/80 Sec

## OTHER PRODUCT

### ELECTRONICS HOOTER



### MODEL : AV-32

DIMENSION : 96X96X85  
 PANEL CUTOFF (MM) : 44X92  
 DISPLAY : 3 DIGIT AMP + 3 DIGIT VOLT  
 RANGE : AC VOLT-0-500  
 AC AMP-0-2000/SCT  
 POWER SUPPLY : 230 V AC 50 HZ  
 INDICATION : KA INDICATION



### THERMOCOUPLES



### PROXY



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Dealer