

# PRODUCTION CONTROL WHERE IT COUNTS

## Multi-Line Numeric Production Pace Timer

Unit designed for hanging with separate remotely wired keypad controller. Controller offers auto hold, reset.



LED Display Model # AF-2740-103  
 Controller (req'd) Model # AF-2450-057  
 Red/Green Light Model # KT-2764-072



Stack light is optional.



Programmable Hold & Reset Scheduler built-in to controller.  
 Output control for red/green efficiency light.

To operate: Wire 120VAC to display and controller. Wire RS485 cable between. Wire your sensor/switch/plc output to short screw terminal 24VDC count input (contact closure). Any time the unit is not in hold mode, goal field will auto increment by programmed pace value. Controller offers ability to program in scheduled break times and reset schedule for automatic hold and reset.

Controller offers count up, hold, down and reset inputs. No preset. Standard models operate using 120VAC power @ less than 1 amp.

Housing constructed of either NEMA1 black anodized aluminum, NEMA12 -14 gauge industrial gray painted steel, NEMA4 water resistant painted steel, and NEMA4X stainless steel. Photo shows standard NEMA1 painted steel.

### OPTIONAL ADDER ACCESSORIES

Pushbutton Count Model # AF-2450-051  
 Power Cord & Cables # KT-2764-034



For manual count process- This kit includes an ABS manual count increment push button control box with run/hold switch for breaks. 15ft. cable included.

Photo Eye Kit Model # KT-2764-031  
 Power Cord & Cables # KT-2764-034



For sensor count process- This kit includes an ABS box, run/hold switch, retro-reflective photo eye and reflector. Parts pre-wired with 15 ft. cable. Eye distance spec 3-5 meters.

### LED DISPLAY LOGIC SPECS

#### OPERATION

Maximum COUNT Value 9999 (GOAL/ACTUAL)  
 Maximum COUNT Scale 9999 (GOAL/ACTUAL)  
 Minimum PACE Time Interval 0.1 Seconds  
 Maximum PACE Time Interval 9999 Seconds  
 Maximum Efficiency/Dev. 999.9 or 9999

#### MEMORY

5 Day retention without power. 1 Farad Super-Cap.  
 Cap expected life span -10 years

#### LOGIC INPUTS

T-RST, B-RST, HOLD, COUNT, DOWN, 24VDC,  
 Compatible with a Normally Open Contact or  
 NPN Signal Transistor (2N3904)  
 Maximum COUNT Rate is 10Hz at 50% Duty Cycle.  
 Internal Screw Terminal Connections

#### COMMUNICATION

RS-232 Full Duplex (rated for 50 cable feet),  
 RS-422 Simplex (rated for 4000 cable feet)  
 RS-485 Half Duplex (rated for 4000 cable feet)

#### BAUD RATES

1200/9600/19200 switch selectable

### LED DISPLAY & CONTROLLER SPECS

AC Supply Voltage:-----120 VAC @ less than 2 AMPS, 60 Hz  
 Operating Temperature: --- 0 F to 135 F (-17C to +50C)  
 Display Housing:-----NEMA 1, black painted 16 gauge steel  
 Housing Dimensions:-----18" wide, 36" tall, 3.5" deep  
 Controller Dimensions:-----15.75" wide, 8.75" tall, 4" deep  
 Character Height:-----4.0" High 7-segment L.E.D. Modules Available in Red  
 L.E.D. Life:-----100,000 Hours (11.4years)  
 Viewing Range-----Up to 200 Feet, single sided unit  
 Keypad Control:-----4X3 Matrix Keypad- Diecut Velvet Lexan  
 Control Unit Housing:-----NEMA12, gray painted 16 gauge steel

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