

# UP/DOWN (COUNTDOWN) TIMERS

**ESE** offers several different styles of "Up/Down" Timer. Of these styles, there are three basic features which should be considered (type of enclosure, size of display and method of preset). The types of enclosure include Desk Mount, Console Mount, Rack Mount and Wall Mount (also suitable for camera mount). The size of the display determines the maximum viewing distance (.4" = 10 feet, .56" = 20 feet, 1" = 35 feet and 2.3" = 70 feet). A video display is also available with the **ES-306U** (see Page 11). The method of preset (for subsequent countdown) utilizes "Thumbwheel" switches, "Push-button" switches or the remote control input connector with externally mounted controls.

## Features:

- Simple Installation & Operation
- One Hundred Minute Timing Range (00:00-99:59)
- Optional "Stop", "Reverse-Count" and "Relay Closure" at Zero (00:00)
- Desk Top, Console, Wall (Camera) & Rack Mount Enclosures
- Long-Life LED Displays



## THUMBWHEEL PRESETTABLE

Four **ESE** Up/Down Digital Timers include the "Thumbwheel" Preset Switch. This Thumbwheel offers a very quick and simple method for "Presetting" the display for a subsequent count-down (or up-count). The **ES-371**, **ES-381U** and **ES-391U** have the Thumbwheel and push-button controls mounted on a remote control plate (connected to the unit via a 6' cable). Meanwhile, the **ES-302U** has all controls mounted on the front of the unit. Note that option 'D' on the **ES-302U** moves all controls to the remote control plate as in **ES-371**, **ES-381U** and **ES-391U**. Option 'Q' is also available with the **ES-302U'D**.

## PUSH-BUTTON / REMOTE PRESETTABLE

**ES-301U**, **ES-370** and **ES-380U** are Preset by incrementing the displays of the appropriate digit-pair. Six push-button switches (Up, Down, Stop, Min-Set, Sec-Set & Reset) are provided with the **ES-301U**, while access to the controls for the **ES-370** and **ES-380U** are provided on rear-mounted connectors. Available on the **ES-370** is option 'M' which provides front-mounted switches. Option 'D', which includes all six switches mounted on a remote switchplate connected to the unit via a six foot cable (extra cable can be ordered) is available on all three units.

## SPECIFICATIONS

	<b>ES-370</b>	<b>ES-371</b>	<b>ES-301U</b>	<b>ES-302U</b>	<b>ES-380U</b>	<b>ES-381U</b>	<b>ES-391U</b>
Power:	4 Watts	4 Watts	5 Watts	5 Watts	5 Watts	5 Watts	8 Watts
Line Cord:	2-wire, 6'	2-wire, 6'	2-wire, 6'	2-wire, 6'	2-wire, 6'	2-wire, 6'	2-wire, 6'
Electrical:	117 VAC, 50/60Hz	117 VAC, 50/60Hz	117 VAC, 50/60Hz	117 VAC, 50/60 Hz	117 VAC, 50/60Hz	117 VAC, 50/60 Hz	117 VAC, 50/60Hz
Connector:	Edge Card	Edge Card	n/a	n/a	DB-9	DB-25	DB-25
Enclosure:	Console Mount	Console Mount	Desk Top	Desk Top	Desk Top	Desk Top	Desk Top
Mechanical (HxWxD):	2.2"x 4.5"x 4.5"	2.2"x 4.5"x 4.5"	2.5"x 8"x 6"	2.5"x 8"x 6"	5"x 10"x 6.6"	5"x 10"x 6.6"	5"x 10"x 6.6"
Preset Method:	Digit Advance	Thumbwheel	Digit Advance	Thumbwheel	Digit Advance	Thumbwheel	Thumbwheel
Controls:	Remote	Push Buttons	Push Buttons	Push Buttons	Remote	Push Buttons	Push Buttons
# of Digits:	Four (Min-Sec)	Four (Min-Sec)	Four (Min-Sec)	Four (Min-Sec)	Four (Min-Sec)	Four (Min-Sec)	Four (Min-Sec)
Display Height:	.4" Red	.4" Red	.56" Yellow	.56" Yellow	1" Yellow	1" Yellow	2.3" Yellow
Viewing Distance:	10 feet	10 feet	20 feet	20 Feet	35 feet	35 Feet	70 feet
Options:	C, D, J, M, N, UL, V(5vdc),	C, J, N, UL, V(5vdc)W, Y	Black, C, D, <b>ESE</b> , J, N, P, P2, Q, R, T, UL, W, Y, Z,	Black, C, D, J, N, P, P2, Q, T, UL, W, Y, Z	Black, C, D, J, N, P, Q, T, UL, W, Y, Z	Black, C, <b>ESE</b> , J, N, P, Q, T, UL, W, Y, Z	Black, C, <b>ESE</b> , J, N, P, Red T, UL, W, Wall Y, Z

