COUNTING CONTROLLER: 40V/32V BRUSHLESS DRIVERS

Add error-proofing to your Delta Regis brushless driver with the BECT832(N)/840(N)/940(N)-SSO-V4.0 Counting Controller. Available functions include Slow Start, Batch Counting, and OK/NG Rundown Indication based on the screwdriving cycle occurring within a predefined time window. An I/O terminal strip provides the interface to outputs for rundown OK, rundown NG, and batch complete. External switches can be wired to the input terminals for remote screwdriver enable/disable, remote start/reverse, and clear (reset batch count).

- Selectable **Slow Start** Speed and Time

- Large LED Display of Screw Count Values

- Externally Accessible **I/O Connections**

- **Programmable Batch Counting** with Audible Buzzer indicating batch complete

- **Programmable Time Window** for comparison with actual fastening cycle time — LEDs indicate **OK/NG** rundown cycle

- **Timed Auto-Reverse** function for applications requiring back-out after fastening

- Locks to limit access to program modifications

- ETL / CE / RoHS Compliant

Model Number*	Outlets	Speeds	Input	Output	Dimensions L x W x H (mm) / (in)	Weight kg / lbs	Applicable Driver Models
BECT832(N)-SSO-V4.0			100–240VAC, 1.2A	32/24VDC, 60W	200 x 130 x 100 / 7.9 x 5.1 x 3.9	1.6 / 3.5	CESL810–812, CESL823–824(P)(F), CESL827(P)
BECT840(N)-SSO-V4.0	1	Hi/Lo	100–240VAC, 6.3A	40/32/24VDC, 200W	248 x 130 x 100 / 9.8 x 5.1 x 3.9	2.5 / 5.5	CESL828–829(P)(F), CESPT824–829(F), (Excluding CESPT828F) all 32V CESL8 drivers**
BECT940(N)-SSO-V4.0				40/32/24VDC, 360W			all 32V and 40V brushless drivers**

*Power supply shipped with standard North American cordset. Add suffix 'E' for EU cord, or add suffix 'UK' for UK cord.
**DR96-40TO32V-WHIP cable required to connect 32V drivers with BECT840(N)-SSO-V4.0 or BECT940(N)-SSO-V4.0

Features	
Slow Start Time Adjustment	0–9.9 sec
Slow Start Speed Adjustment	30–100%
Count (per batch)	1–99
Time Window Setting Range (min/max)	0–9.9 sec
Audible Alert (selectable)	Good/NG/Batch OK
Timed Auto-Reverse after Clutch-out	0–9.9 sec

Inputs (dry switch contact required)	Outputs (MOS relay, max. 40VDC, 250mA)
1. Remote Start	1. Rundown OK
2. Remote Reverse	2. Rundown NG
3. Disable Screwdriver	3. Batch Complete
4. External Confirm	*A 24 VDC voltage supply is available to power the output circuit, if required.*
5. Enable at Batch Start	
6. Remote Clear	

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Parameters are set-up on the BECT(832(N)/840(N)/940(N))-SSO-V4.0 using the four button keypad and LED display panel. A simple program loop provides access to settings for slow start speed and time, batch count quantity, and min/max allowable rundown times. During normal operation, the large two-digit display shows the current screw count value and also provides visual LED indication of whether the rundown was Good or No Good based on the time window parameters that have been programmed into the controller.

BECT(832(N)/840(N)/940(N))-SSO-V4.1 CONTROLLER WITH REMOTE SEQUENCING OPTION
In some applications, there may be a requirement to remotely select from one of the available sequences that have been programmed into the controller. The 'V4.1' model number suffix replaces the standard remote start/reverse inputs with a remote sequence selection input option. With this option, one of 3 sequences may be selected by providing a remote input from a PLC or external switches. Please contact us for further details.

Status Indicator Lights*

Hi/Lo Speed Selector

Program Lock

Brushless Screwdriver Cable Connection

LED Display of Count Value

Output Voltage Indicator

Keypad for Programming and Selection

DIP Switch for optional functionality

Plug-in I/O connector has screw terminals for connecting wiring

BECT840(N)/940(N)-SSO-V4.X include an output voltage selector switch for use with either 32V or 40V screwdrivers

PWR SUPPLY AVAILABLE:
24VDC, 1A / COM (0 VDC)

*If the fastening cycle completes (clutch trips) within the programmed time window, the rundown cycle will be accepted as GOOD (OK) and the batch count will increment. A rundown outside the time parameters will result in a NG output.

NO GOOD (NG)   GOOD (OK)   NO GOOD (NG)

Time (seconds)

Cycle Start   LO Time   HI Time