E3C-LDA





Increases threshold.

*Even if the display method for display switching is changed, the

threshold will appear on the sub-display when the key is pressed.

Decreases threshold



Threshold

Threshold

RFCH

Light level

0

The threshold that was

The previous display will return when the setting has been completed.

set will flash twice.



External Input Models

E3C-LDA21/LDA51/LDA7/LDA9



Use the Use the U	JP and DOWN Keys to change the settings.	
Function	Setting (display)	Description
Detection	Super-high-speed: 5X5, High-speed: X5, Standard: 5End, High-precision: Xn85, Differential operation: d 4FF (advanced models only)	Used to increase response speed and detection precision.
Differential edge (differential operation selected)	Single edge:, Double edge:	Used to set the edge to be detected.
Differential time	Single edge250 $\mu s:$ 1, 500 $\mu s:$ 2, 1 ms: 3, 10 ms: 4, 100 ms: 5, Double edge500 $\mu s:$ 1, 1 ms: 2, 2 ms: 3, 20 ms: 4, 200 ms: 5	Used to set the differential response time.
Timer	Timer disabled:, OFF-delay timer: oFFd, ON-delay timer: on-d, One-shot timer: {5h}	Used to enable or disable timers.
Time (timer enabled)	1 to 20 ms: 1-ms increments, 20 to 200 ms: 5-ms increments, 200 ms to 1 s: 100-ms increments, 1 to 5 s: 1-s increments	Used to change timer setting when timer is enabled. The timer can be set from 1 to 5000 ms.
MODE Key	Executes power tuning: PtUn, Executes a zero reset: OnSt, With/without workpiece teaching: PDnt, Automatic teaching: RUto	Used to change the function of the MODE Key during operation.
Power tuning target value (performing power tuning)	Setting range: 100 to 3,900 (increments of 100) Maximum power M: Full L	Used to set the target value during power tuning.
Display switch	0 3 1 12 0 2 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Used to display the incident light level and the threshold.
	0 P 12 3 0 P 10	Used to display the incident light level as a percentage of the threshold and the threshold.
	PEAK BOTM	Used to display the peak and bottom levels of incident light within a set time. (Updated every 2 s.)
	0	Used to display the incident light peak level and no incident light bottom level. (Refreshed when output turns ON or OFF
	0 of the test of t	Analog bar display. The current detection status is displayed a an analog bar. The bar will lengthen from the right as ON status is reached. (ON: Red; OFF: Green)
	OBIE PERK Current light level PEAK Fixed interval Current light level Peak light level Current light level Peak light level Current level C	Used to display the current incident light level and the peak incident light level. Display changes at a fixed interval.
	0 1 1 0 2 1 Light level Channel	Used to display the incident light level and the channel.
	Count (For external input models only)	Used to display the counter value.
Display orientation	Normal display: d (23, Up/down reversed display: 82) P	Used to reverse the orientation of the display.
Operation mode * twin-output models only)	Light ON: Lon, Dark ON: don,	→Refer to 1. Setting the Operation Mode on page 3.
Twin outputs (twin-output nodels only)	Output for each channel: 20112, Output if level is between the two thresholds: 8758, Self-diagnosis output: 5515	Used to change the output for channel 2. This setting is disabled if differential operation is set for the detection function. (Alarm outputs are always used for differential operation.)
ATC (ATC models only)	ATC enabled: on, ATC disabled: oFF	Used to enable or disable ATC.
Setting at Power-ON (ATC ON)	No setting: @FF, ATC start processing: Btc, Power tuning and ATC start processing: PtBt	Used to set the processing to be performed when the power is turned ON.
External input (external input models only)	Thru-beam, no-workpiece teaching: Σλεθ, Reflective, no-workpiece teaching: εξεξ, With/Without-workpiece teaching: 2Poξ, Automatic teaching: Rθξo, Power tuning: Pt θo, Zero reset: 0εξξ, Light OFF: Loff, Counter reset: cefξt	Used to change function controlled by external input. (Refer to Instructions provided with the product.)
External input memory (external input models only)	Write results to EEPROM: on, Don't write results: off	Used to set writing the results. (Refer to Instructions provided with the product.)
Counter external input models only)	Counter disabled: ${}_{\Omega}$ F F, Count incremented when output turns ON: ${}_{C}$ ${}_{U}$ P, Count decremented when output turns ON: ${}_{C}$ ${}_{d}$	Used to set the counter function.
Count	Setting range: 1 to 9,999,999	Used to set the counter value when the counter function is enabled.
External input batch setting external input models only)	Only sensor that receives external input: 1ch, All linked sensors: RLL	Used to set linked Amplifiers at the same time using an external input
The energian mode and th	mer function can be set for each channel specified using the Channel	Colostor Quitob

(external input models only) All linked sensors: RLL Used to set linked *The operation mode and timer function can be set for each channel specified using the Channel Selector Switch. The settings for other functions will be the same for channel 1 and channel 2.

