E3C-LDA









With no workpiece:

set will flash twice.

The threshold that was

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

RFCH

Light level

0

Threshold

Threshold



External Input Models

E3C-LDA21/LDA51/LDA7/LDA9



Fu	nctions		
) / 💽 Use the l	JP and DOWN Keys to change the settings.	
Function		Setting (display)	Description
Detection		Super-nigh-speed: 585, High-speed: 85, Standard: 5668, High-precision: 8755, Differential operation: d IFF (advanced models only)	Used to increase response speed and detection precision.
	Differential edge (differential operation selected)	Single edge: _f , Double edge: _fl_	Used to set the edge to be detected.
	Differential time	Single edge250 $\mu s:\ l,\ 500\ \mu s:\ l,\ 1\ ms:\ l,\ 10\ ms:\ Y,\ 100\ ms:\ S,\ Double edge500\ \mu s:\ l,\ 1\ ms:\ l,\ 2\ ms:\ J,\ 20\ ms:\ Y,\ 200\ ms:\ S$	Used to set the differential response time.
Timer		Timer disabled:, OFF-delay timer: oFFd, ON-delay timer: on-d, One-shot timer: (5hb	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: PLUA, Executes a zero reset: $0 + 5 +$, With/without workpiece teaching: $2P_{AE}$, Automatic teaching: RUE_{A}	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	Used to set the target value during power tuning.
Display switch		0 3 1 12 0 2 0 0 0 Light level Threshold	Used to display the incident light level and the threshold.
		0 P 12 3 0 2 0 0 0 % light level Threshold	Used to display the incident light level as a percentage of the threshold and the threshold.
			Used to display the peak and bottom levels of incident light within a set time. (Updated every 2 s.)
			Used to display the incident light peak level and no incident light bottom level. (Refreshed when output turns ON or OFF.)
		0 of the transformed status	Analog bar display. The current detection status is displayed as 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	Used to display the current incident light level and the peak incident light level. Display changes at a fixed interval.
		03120 201 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: 52) 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 12.
Twin outputs (twin-output models only)		Output for each channel: 20112, Output if level is between the two thresholds: 8658, 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: of F	Used to enable or disable ATC.
	Setting at Power-ON (ATC ON)	No setting: oFF, ATC start processing: Rtc, Power tuning and ATC start processing: PtRt	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: <code>EhrU</code> , Reflective, no-workpiece teaching: <code>FFcb</code> , With/Without-workpiece teaching: <code>2Phb</code> , Automatic teaching: <code>RUE</code> , Power tuning: <code>PEUn</code> , Zero reset: <code>DrSE</code> , Light OFF: <code>LoFF</code> , Counter reset: <code>crSE</code>	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: ${}_{\Omega}FF$, Count incremented when output turns ON: ${}_{C}UP$, Count decremented when output turns ON: ${}_{C}d{}_{\Omega}$	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: <code>lch,</code> All linked sensors: <code>RLL</code>	Used to set linked Amplifiers at the same time using an external input.

(external input models only) All linked sensors: RLL

*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.

