E3X-DAC-S

Operation Reference Operation Keys Main Display (Red) Sub-Display (Green) Displays the incident light level or the function name. Displays the threshold and function settings. Used to set functions. IIР DOWN O MODE O SET/RUN Mode Selector Switch Used to select SET or RUN mode. Displays SET/RUN **Operation keys** Operation Remarks Sub-display mode Main display Detection/ Adjusting thresholds Threshold Incident level Page 12 adjustment Refer to 4. Setting Thresholds Manually in RUN Mode. RUN Executing user-specified Used to execute various functions (factory-set to teaching and zero-reset (Factory-set to RUN) 1-point teaching) operations MODE Page 12 Refer to 3. Registering Workpiece Colors with Teaching in SET Mode. Function Teaching and changing Setting items Setting details settings setting details XS →Page 12 Refer to 3. Registering Workpiece Colors with Teaching in SET Mode. SET Switching setting items →Page 13 Refer to 5. Setting Functions Xr 8 5 in SET Mode.

| SET/RUN | T/RUN Operation keys Operation | | Displays | | Pomarks |
|-----------------------------|--------------------------------|-------------------------------|--------------|-------------|--|
| mode | Operation keys | Operation | Main display | Sub-display | neillaiks |
| RUN (Factory-set to RUN) | | Locking and unlocking keys | | ON | Locks key operation to prevent incorrect operation. →Page 14 Refer to 6. Convenient Functions. |
| SET | | Initialization and user reset | | YES? | Returns the system to its default settings. →Page 14 Refer to 6. Convenient Functions. |

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|)/ | 10 | Use the UI | and DOWN Ke | eys to change the settings |
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| Function | Setting (display) | Description | |
|-------------------------|--|--|--|
| Operation mode | ON when matching: ¿ on, ON when not matching: don | →Refer to 2. Setting the Operation Mode on page 12. | |
| Detection | Super-high-speed: 585, High-speed: 85, Standard: 52 nd, High-precision: 87 E5 Note: If the detection function is changed, be sure to register (i.e., teach) the workpiece color. | Used to change the response speed and detection precision. Note: The fastest mode is I mode (light intensity determination for red, green, or blue) | |
| Timer | Timer disabled:, OFF-delay timer: off.d, ON-delay timer: oo-d, One-shot timer: (5h) | Used to set a timer for the control output. | |
| Time (timer enabled) | 1 to 5000 ms: to 5000 is 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 the timer setting. Setting range: 1 ms to 5 s | |
| MODE Key | One-point teaching: Pot, With/without workpiece teaching: Pot, Executes a zero reset: Cr5t (→Refer to 6.1 on page 14.) | Used to change the function of the MODE Key during operation. | |
| Teaching level | 0 to 99%: 🛙 to 🖫 | Used to set the teaching level for the threshold when performing 1-point teaching. (Example: The threshold level at the default setting (10) is 900. When the setting is 20, the threshold level is 800. | |
| Display switch | Match/Threshold: BS8• S88 Excess gain/Threshold: P23• S88 Excess gain/Threshold: P23• S88 Peak/Bottom refreshed every 2 s.: PERP•both Analog bar display: Peak/Bottom Match/Peak refreshed at a set interval.: BS8•PERP Match/Channel: BS8• Zch | Used to display the degree of matching and threshold. Used to display the excess gain (i.e., percentage of matching relative to threshold) and threshold. Used to display the peak and bottom degrees of matching at a fixed interval. Used to display the peak degree of matching when there is a match and the bottom degree of matching when there is no match. Used to show the detection status with a bar display. Red bars will be displayed if the degree of match exceeds the threshold. Used to display the peak degree of matching and the peak degree of matching. Used to show the detection status with a bar display. Red bars will be displayed if the degree of match exceeds the threshold. Used to display the present incident level and the peak degree of matching. Used to display the degree of matching and channel number. | |
| Display orientation | Normal display: d (23, Up/down reversed display: £2) P | Used to reverse the orientation of the display. | |
| Output setting | Each channel: 2001, AND: And, OR: or | Used to change the item output on control output 2. | |
| Timer | Timer disabled:, OFF-delay timer: oFFd, ON-delay timer: oo-d, One-shot timer: (5ht | Used to set timers for the AND/OR control output. | |
| Time | 1 to 5000 ms: { to 5000 line 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 the timer setting. Setting range: 1 ms to 5 s | |
| External input | One-point teaching: 1965, With/without workpiece teaching: 2965 Executes a zero reset: 2655, Light OFF: 1655 | Used to change function controlled by external input. Refer to the <i>Instruction Sheet</i> provided with the product for information on the effective pulse width. | |
| External input memory | Write results to EEPROM: on, Don't write results: oFF | Used to set writing the results. (Refer to the <i>Instruction Sheet</i> provided with the product.) | |
| Judgment mode | C/I automatic judgment: BUE o, C mode: c, I mode: I, BLACK mode: b], P | Used to set the judgment mode (detection method). BLACK mode: The total light intensity for RGB is used for the judgment. | |

