

Digital Indicating Controller LT35A/37A SERIES



LT 35A/37A series is digital indicating controller with indicating accuracy of $\pm 0.2\%$ and the control cycle of approximately 0.3 seconds.

3 types of auto tuning functions and overshoot suppression functions achieve superior control stability. Combination of internal computing function and enriched input and output option support various usage scenarios.

Special loader software provides ease of setting operations and data acquisition.

FEATURES

Compact design

Short depth of instrument (case 65mm) saves the space of instrument and control board.

Universal input

Input types is user-changeable from among thermocouple, resistance thermometer, DC voltage and DC current.

Outstanding controllability

Control system can be selected from two-position control and PID control.

It has overshoot suppression function and high-functional PID.

3 type of auto tuning

Can be selected from normal, rapid-response, stable tuning on the control target.

Various input / output signal (optional) are available

Current transformer input 2 points, event output 3 points (Max), remote signal input 4 points, communication interface (RS485).

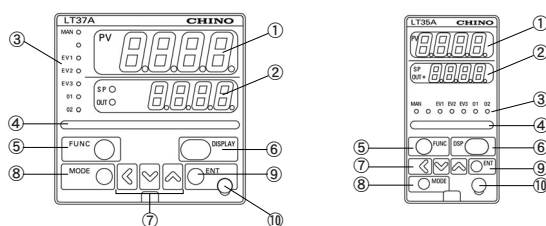
Conformance to international safety standards

CE marking, RoHS

Loader software is available

Various parameter settings and data acquisition can be done easily using loader software (sold separately).

PARTS NAMES OF FUNCTIONS



- ① Upper display : Displays PV values (measuring temperature, etc.) or setting items.
- ② Lower display : Displays SP values (preset temperature, etc.) and other parameter set values.
- ③ Status display lamp : MAN : Lights when MANUAL (manual mode)
EV1 to EV3 : Lights when event outputs are ON.
O1 to O2 : Lights when the control output is ON.
- ④ Multiple functions indicating lamp : User-settable max. 3 sets combination of condition and status as preferred functions (alarm, READY, etc.).
- ⑤ [FUNC] key : Press 1 second or longer, then enters frequently used functions and operations set in advance. The function is disabled at factory default.
- ⑥ [DISPLAY]/[DSP] key : Switch display in operation mode. Or back to operation mode from parameter setting mode.
- ⑦ [MODE] key : Switches the display.
- ⑧ <, V, ^ Key : Used for incrementing numeric values and performing arithmetic shift operation.
- ⑨ [ENT] key : Starts to change settings and set value
- ⑩ Loader connector : Connects to a personal computer by using USB loader cable.



MODELS

LT35A

/LT37A

	Measur- ing input	Control output	I/O option	Terminal type	Power	Extra	Specifications
LT35A							48mmX96mm front size
LT37A							96mmX96mm front size
0							Universal input
							Control output 1 Control output 2
1	0						ON-OFF pulse output —
5	0						SSR drive pulse output —
5	3						SSR drive pulse output Current output
5	5						SSR drive pulse output SSR drive pulse output
3	0						Current output —
3	3						Current output Current output
*4	1						Event output: 3 points
	2						Event output 3 points, Transmission signal output (current output)
*2,*4	4						Event output 2 points (independent contact)
*2	5						Event output 2 points (independent contact), Transmission signal output (current output)
	0						—
*1	1						Current transformer input 2 points External signal input: 4 points
*1	2						Current transformer input 2 points External signal input: 4 points Communication interface RS485
	0						Terminal block type
	A						100 to 240 V AC
	D						24V AC/DC
	00						No additional treatment
	Y0						Complying with the traceability certificate
*3	T0						Tropical treatment
*3	K0						Sulfur resistance treatment

*1: Current transformer is sold separately.

*2: 24V AC/DC power supply can not be selected.

*3: Non-conforming to CE, UL/cUL.

*4: Event output are 2 types, specify models of 3 point (common) or 2 points (independent).

