

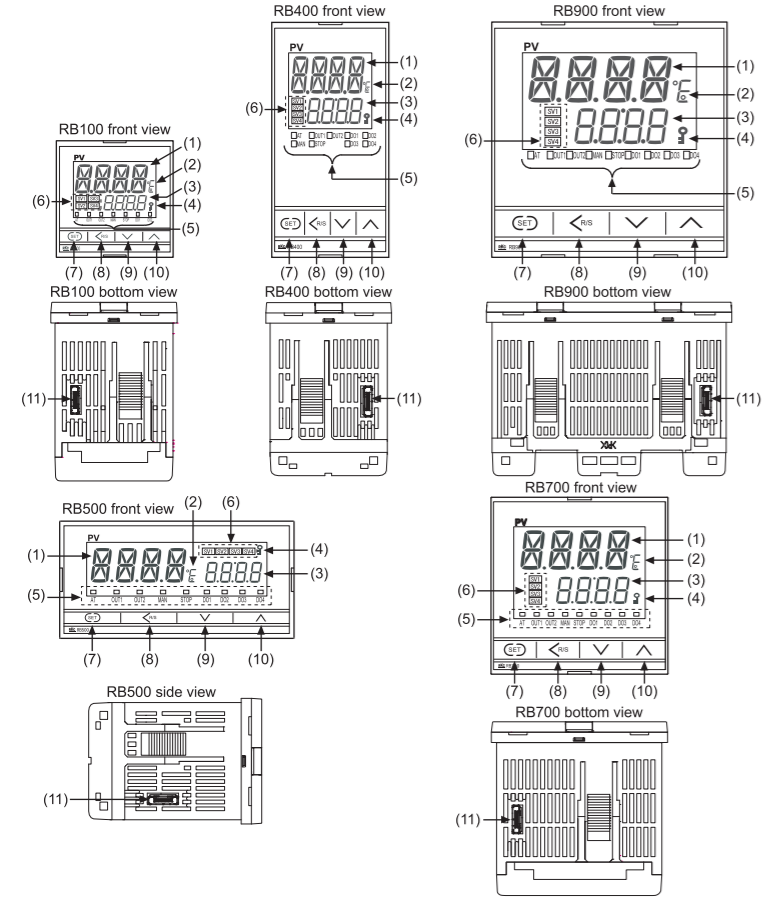
Digital Temperature Controller **RB series** Quick Operation Manual

(RB100/400/500/700/900) IMR02C39-E2

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 In order to achieve maximum performance and ensure proper operation of your new instrument, carefully read all the instructions in this manual. Please place the manual in a convenient location for easy reference. This manual describes the parts description and basic key operations of the RB100/400/500/700/900.

For functions, refer to **RB series Instruction Manual (IMR02C15-E□)**.
 The manual can be downloaded from the official RKC website:
http://www.rkcinst.com/english/manual_load.htm.

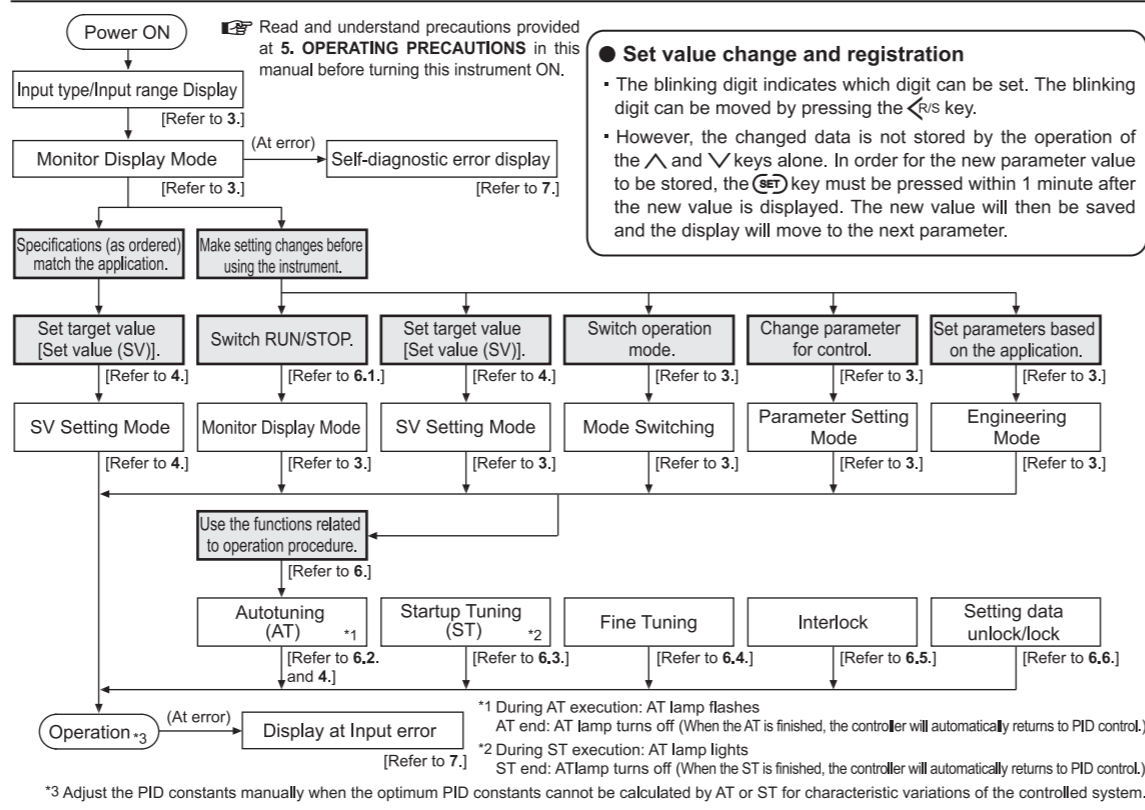
1. PARTS DESCRIPTION



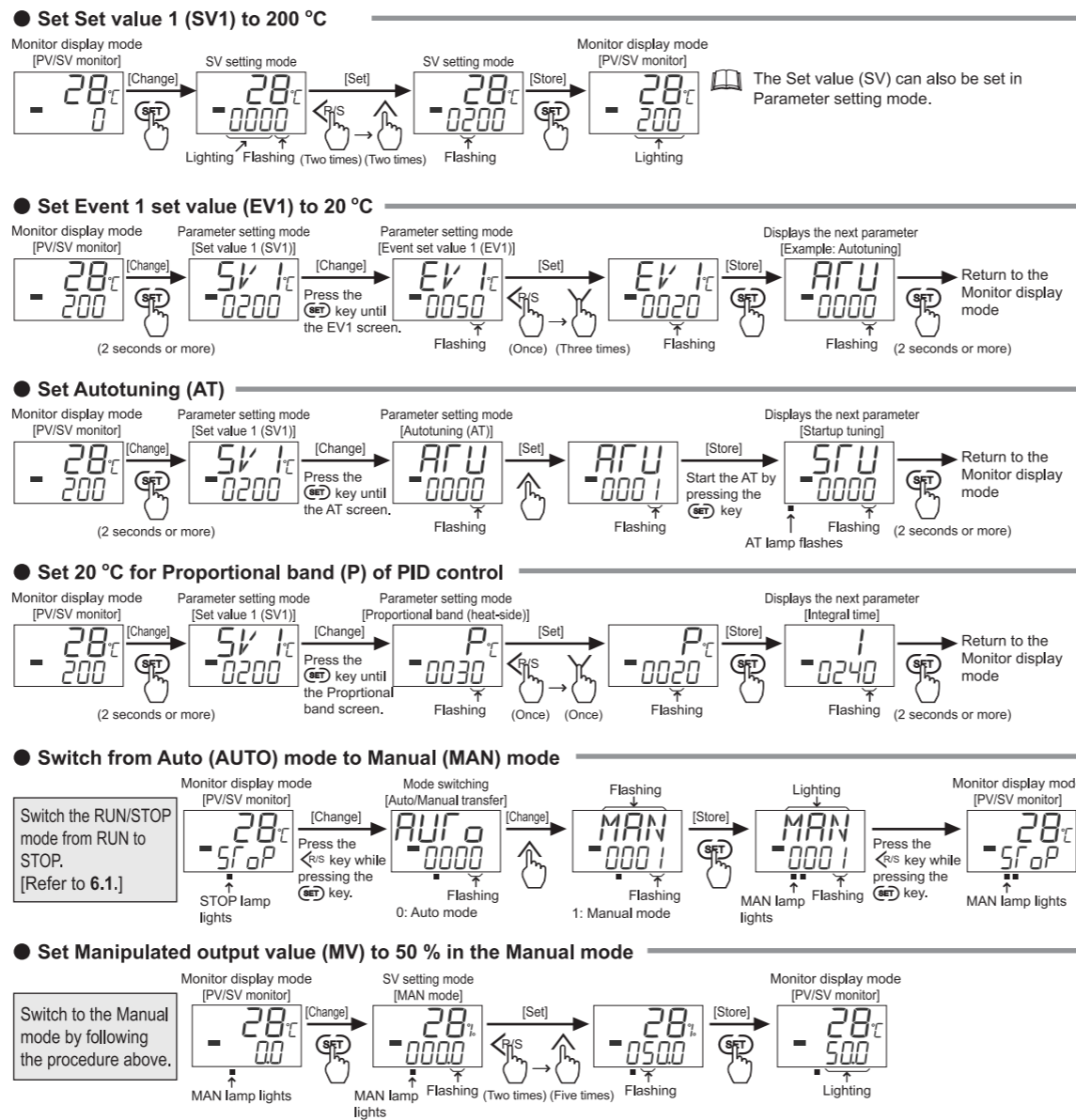
(1) Measured value (PV) display [Green]	Displays Measured value (PV) or various parameter symbols.
(2) Unit display [Green]	Displays the temperature units (°C or °F) of displayed data and the units (%) of the Manipulated output value (MV).
(3) Set value (SV) display [Orange]	Displays Set value (SV), Manipulated output value (MV) or various parameter set values.
(4) Set lock display [Orange]	Lights when the settings are locked.
(5) AT lamp [Green]	Flashes when Autotuning is activated. (After Autotuning is completed: AT lamp will go out) Light during Startup tuning (ST) execution.
Output lamp [Green]	OUT1: Lights when Output 1 is turned on. OUT2: Lights when Output 2 is turned on. Lamp indication becomes as follows for Current output and Voltage output. For an output of less than 0%: Extinguished For an output of more than 0%: Lit
MAN mode lamp [Green]	Lights when operated in Manual (MAN) mode.
STOP lamp [Green]	Lights when control is stopped (STOP). Blinks when control is stopped (STOP) by the Timer function.
DO (digital output) lamp [Orange]	Lights when the Event (DO1 to DO4) output corresponding to each lamp is ON.
(6) STEP set value lamp [Orange]	When the step SV function or the Timer function is used, the lamp corresponding to the currently used Set value (SV1 to SV4) lights.
(7) Set (SET) key	Used for parameter calling up and set value registration.
(8) Shift key	Shift digits when settings are changed. Used to switch monitor items, RUN/STOP, and modes. [Refer to 6.1.]
(9) Down key 1	Decrease numerals.
(10) Up key 1	Increase numerals.
(11) Loader communication connector (Standard equipment)	Setting and monitoring on a personal computer (PC) is possible if the controller is connected with our cable to a PC via our USB communication converter COM-K-1 (sold separately) ² . Our communication software ³ must be installed on the PC.

¹ Also used to switch items within Mode switching (AUTO/MAN, Set data lock, and Interlock release).
² For the COM-K, refer to COM-K Instruction Manual (IMR01Z01-E□).
³ Only available as a download from our website.

2. OPERATION FLOW



4. SETTING EXAMPLE



3. OPERATION MENU

