

# **OILMATIC**

**AUTOMATIC OIL TEMP. REGULATOR**

## **KTCseries**

### **USER'S MANUAL**

**KANTO SEIKI CO., LTD.**



Thank you for purchasing a Kanto Seiki OILMATIC. IN order to use your OILMATIC to its greatest capacity, be sure to read this user's manual. After reading, keep it in a convenient place for easy future reference.

NOTE : This manual is an explanation of the KTC standard models. Some parts may not apply to special-purpose machines, so please read the specifications sheet along with this manual.

## CONTENTS

	Page
1. GENERAL INSTRUCTIONS.....	1
2. NAMES AND FUNCTIONS OF PARTS .....	2
3. COOLING CAPACITY.....	6
4. INSTALLATION .....	7
A. Conveyance .....	7
B. Place of Installation .....	7
C. Pipe Connections .....	8
D. Connection to Power Source .....	11
E. Coolant Pipes for the OILMATIC	
Water-Cooled Condenser .....	12
5. OPERATION METHOD .....	13
A. Putting OILMATIC into Operation .....	13
B. Oil Temperature Control .....	14
1) Thermostat type temp. controller .....	15
2) Constant value type electronic temp. controller .....	15
3) Follow up base temp. differential type temp controller .....	15
C. Handling the Timer .....	15
6. PROTECTIVE DEVICES .....	16
A. Oil Circulation Circuit .....	16
B. Refrigeration Circuit .....	16
C. Preventing Heater Accidents .....	17
D. Buzzer .....	18
7. MAINTENANCE AND INSPECTION .....	18
8. TROUBLESHOOTING .....	20
9. DIAGNOSIS AND TROUBLESHOOTING FOR ELECTRONIC TEMPERATURE CONTROLLER.....	27