

SEIKO

YEARLY PROGRAMMABLE TIMER QT-5800 SERIES

OPERATING MANUAL

Thank you for purchasing SEIKO Yearly Programmable Timer QT-5800 Series.

Before using your SEIKO Yearly Programmable Timer, please be sure to carefully read through this manual as it has been designed to provide you with information for correct handling, use and maintenance necessary for safe, long-lasting and trouble-free operation. Keep this manual handy for ready reference.

SEIKO TIME SYSTEMS INC.

2. OVERVIEW

SEIKO QT-5800 Series is a high-precision quartz master clock equipped with a yearly programmable timer function. It is so high-quality as well as high-capacity as to allow up to 1,000 steps of programs to be set and have 8 channels of contact signal outputs to control various devices, offering the customers a wide varieties of functions to meet their requirements. In addition, the programs can be set easily using computer application software, and they can be imported into the Yearly Programmable Timer by using USB memory or by connecting with the computer with a USB cable.

Optional functions such as FM radio wave time correction (with a built-in FM radio), electronic chime output, and external synchronization with “Time Link” and standard radio wave (low-frequency wave) can be added to the Yearly Programmable Timer functions as desired.

3. FEATURES

The Yearly Programmable Timer has 8 channels of contact signal outputs. They can be programmed to control ON/OFF of various devices connected to the Yearly Programmable Timer. In addition to the yearly programmable timer function, QT-5800 Series is equipped with the following functions:

(1) Master clock function (QT-5810, QT-5820 and QT-5830)

Up to 30 secondary clocks can be connected to each channel (if the current consumption of each secondary clock is 12 mA).

(2) External synchronization function

By connecting the repeater “Time Link Pro” SW-301, the loss/gain of the clock is corrected automatically.

(3) Time correction with FM radio wave (models with an optional Radio Wave Correction Unit: R-type models)

The radio wave correction unit receives the NHK-FM radio broadcast to automatically correct the loss/gain of the clock twice a day at 7:00 and 19:00.

(4) Time correction with standard radio wave (by connecting an optional low-frequency receiver LFR-200R-10C)

By receiving the standard radio wave, the Yearly Programmable Timer automatically corrects the loss/gain of the clock every hour on the hour.

(5) Electronic chime function (models with an optional Electronic Chime Unit: M-type models)

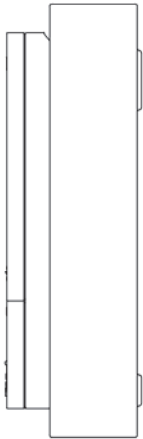
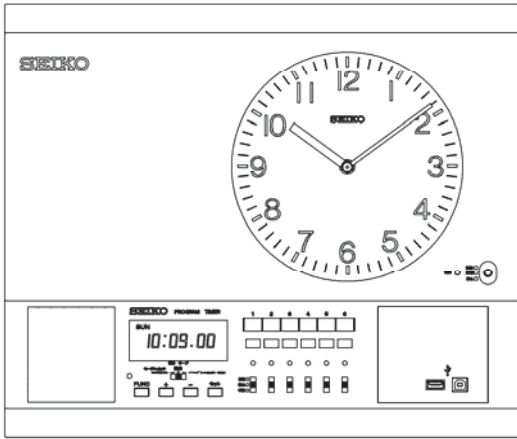
The Yearly Programmable Timer can set the electronic chime to sound as per the schedule you have programmed to tell the time.

10 melodies are available for programming.

4. ACCESSORIES AND SPARES

Accessories and Spares	Quantity	Remarks
Plastic foot	4 pieces	
USB memory	1 piece	Attached with application software and device driver
Miniature fuse	3 pieces	QT-5800X~QT-5820X: 125 V, 2 A QT-5830X: 125 V, 3 A
Insulated crimp terminal	See “Remarks” column.	QT-5800, QT-5800R: M4, 24 pcs. QT-5800M, QT-5800RM: M4, 24 pcs.; M3, 2 pcs. QT-5810, QT-5810R: M4, 26 pcs. QT-5810M, QT-5810RM: M4, 26 pcs.; M3, 2 pcs. QT-5820, QT-5820R: M4, 28 pcs. QT-5820M, QT-5820RM: M4, 28 pcs.; M3, 2 pcs. QT-5830, QT-5830R: M4, 30 pcs. QT-5830M, QT-5830RM: M4, 30 pcs.; M3, 2 pcs.
Instruction manual	1 copy	
Mounting hole drilling template	1 sheet	
Warranty registration card	1 card	Only for QT-5800, QT-5800M, QT-5800R and QT-5800RM

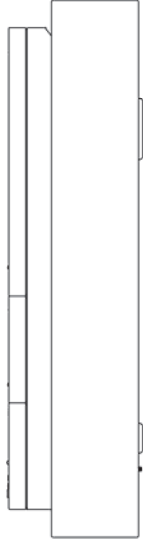
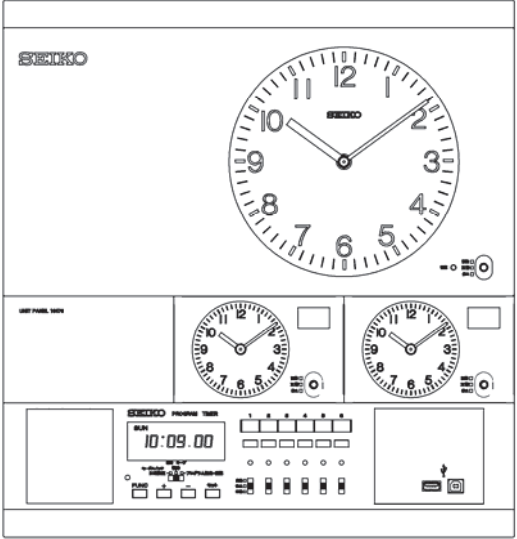
5. LIST OF PRODUCTS



QT-5800	Yearly programmable timer
QT-5800M	With electronic chime
QT-5800R	With FM Radio Wave Correction Unit
QT-5800RM	With electronic chime, and FM Radio Wave Correction Unit

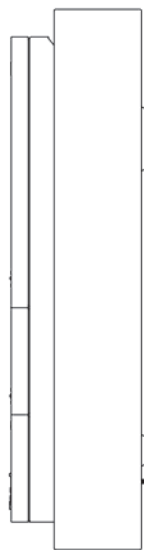
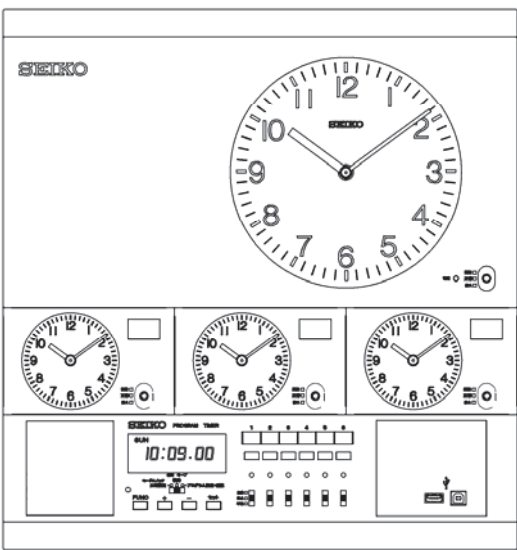
Models with 1 secondary clock circuit

QT-5810	Drives up to 30 secondary clocks
QT-5810M	With electronic chime
QT-5810R	With FM Radio Wave Correction Unit
QT-5810RM	With electronic chime, and FM Radio Wave Correction Unit



Models with 2 secondary clock circuits

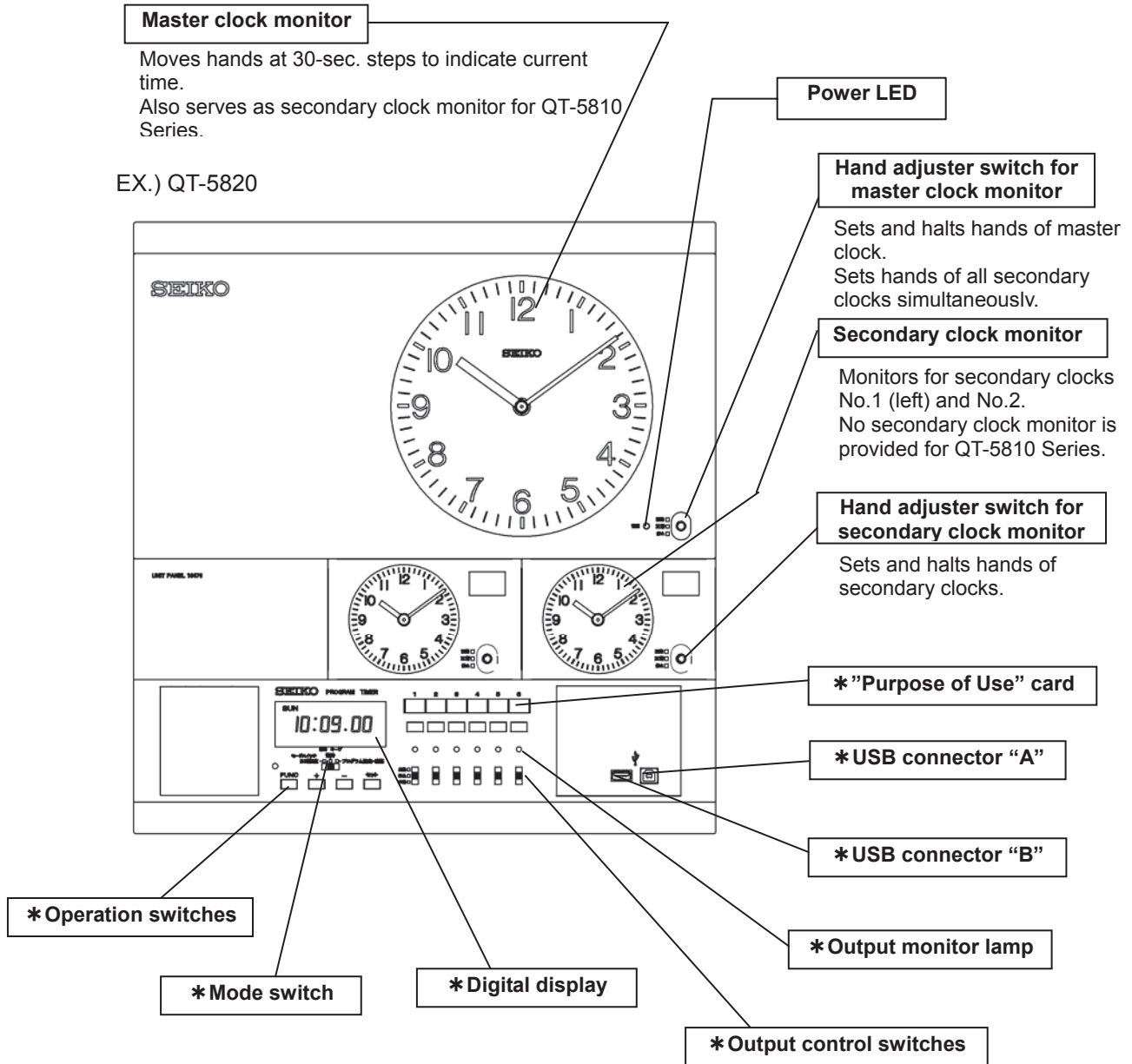
QT-5820	Drives up to 60 secondary clocks
QT-5820M	With electronic chime
QT-5820R	With FM Radio Wave Correction Unit
QT-5820RM	With electronic chime, and FM Radio Wave Correction Unit



Models with 3 secondary clock circuits

QT-5830	Drives up to 90 secondary clocks
QT-5830M	With electronic chime
QT-5830R	With FM Radio Wave Correction Unit
QT-5830RM	With electronic chime, and FM Radio Wave Correction Unit

6. NOMENCLATURE AND FUNCTIONS (FRONT PANEL)



* For details of the parts on the control panel, see "8. NOMENCLATURE AND FUNCTIONS" on page 8.

7. NOMENCLATURE AND FUNCTIONS (INSIDE PARTS)

