TOSHIBA

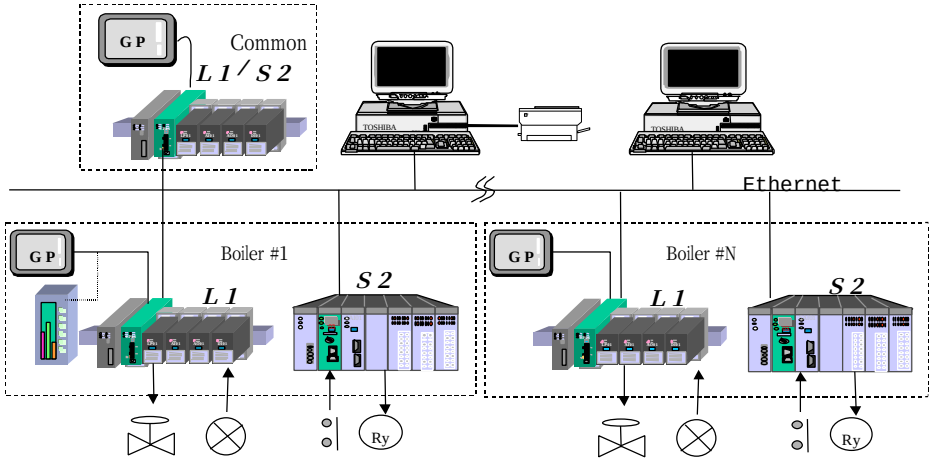
Integrated Controller V-Series
Application Sheet

Water-tube Boiler Control

♦ System Overview

Because of reduction of steamy demand, efficient correspondence to load change or curtailment of employment management cost, small water-tube boiler control system is proceeding to change to the number control system of a once-through boiler.
Conventionally, a boilermaker's exclusive controller has controlled once-through boiler control.
However, information processing system connection becomes open and the case that applies a general-purpose controller is increasing for the cost rise by long-term maintenance and hardware independence development.
By the integrated controller, instrumentation control is constituted from L1, sequence control is constituted from S2, and it can realize control of a number of boilers.

♦ System Configuration



♦ Features

(1) L1 that can process a maximum of 8 loops performs instrumentation control, and S2 takes charge of sequence control.
(2) The graphic panel (GP) which connected RS485 from L1 or S2 performs boiler independent operation.
(3) The personal computer or common controller linked to Ethernet realizes data communication between L1 and S2, two or more number control of boilers, and generalization monitoring and control.
(4) A flexible system construction and future-extension nature are securable because of the system that performs the number control of boilers with the composition of L1 and S2.