Smart I/O - Remote IO Modules

Part Number - GSL RY2A
Digital Relay Output Module

- Reduction in the amount of wiring
- Real-time control of distributed I/O devices
- Modbus (RS-422/485) support

General Specifications

Number of Points	16 Relay Outputs
Rated Input (Load Voltage)	DC24V, AC110V/220V
Rated Input Current (Load)	2A/5A
Response Time off to on	Under 10 mS
on to off	Under 10 mS
Common Point / Com	8/Com
Supporting Communication Network	Modbus

Modbus Specification

Modbus Protocol	RS422/485
Transmission Speed	2.4Kbps-38.4Kbps
Transmission Distance	500 mtrs
Topology	Bus
Transmission Method	Master/Slave Poll
Max Number of Stations	32

Dimensions
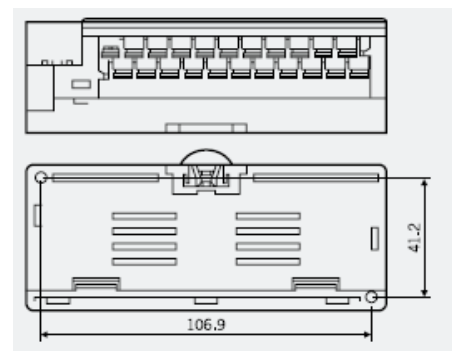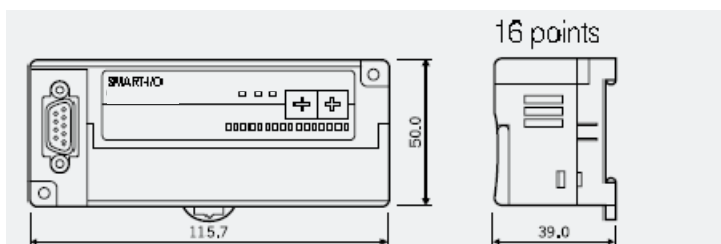
Wiring Diagram
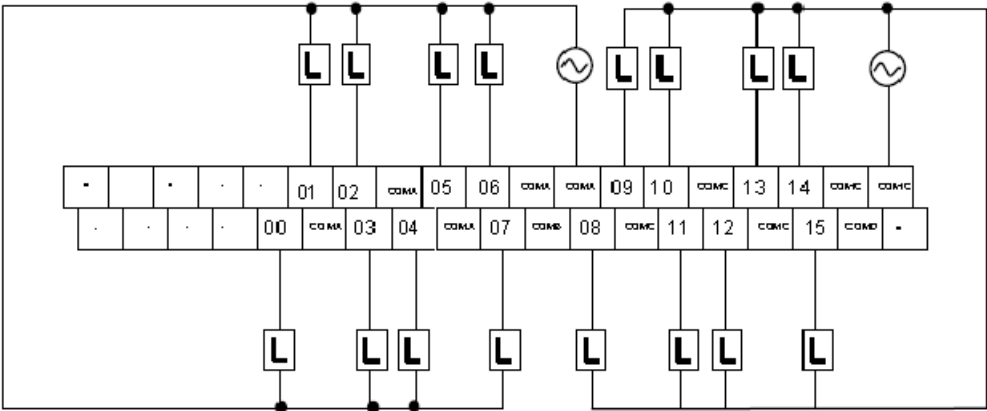
* COMA and COMB are connected internally respectively.

Overview
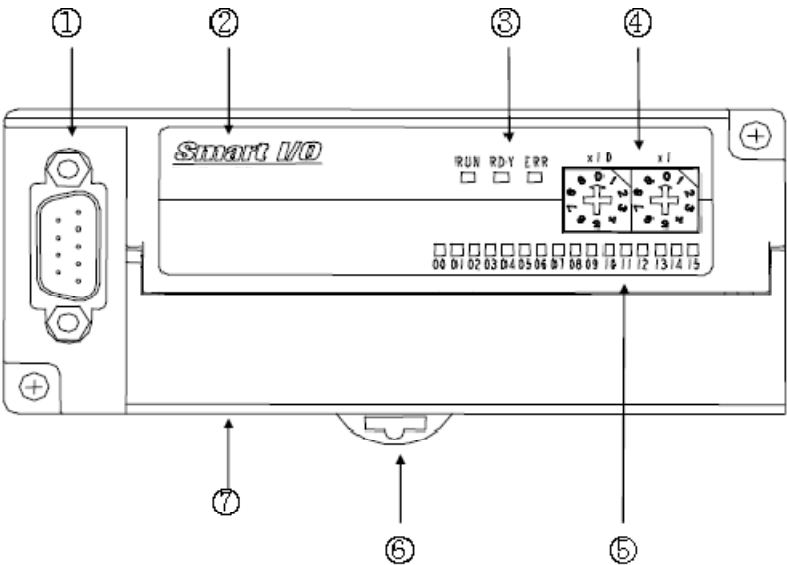
No.	Item	Description
①	Connection connector	Connector for communication connection with master/remote unit • 9 pin connector
②	Smart I/O type name indication	• Describes Modbus module type name.

③	Communi-cation status indication LED	PWR LED	It describes the status of power to be supplied to the system. • On : in case of normal power supply • Off : in case of abnormal power supply

		TX LED	It describes the transmission status of communication module.
			• Blink : when communication module is transmitting (except for GRL-TR4A)
			• OFF : LED is OFF in the cases as follows ;
			  ▶ in case that the voltage is not supplied normally to the basic unit.
			  ▶ in case that the error to stop the operation is detected.

		RX LED	It describes the receiving status of communication module. • Blink : when communication module is receiving. • Off : when communication module has no receiving or the error is detected.
④	Station no. of its own station setting switch		The switch to set the node station no. of its own station. Available to set from 0~31. • X16 : 16 digits indicated • X1 : 1 digit indicated
⑤	I/O LED		It describes the contact status of I/O terminal.
⑥	Hook for DIN rail attachment		• Hook for DIN rail attachment
⑦	Terminal block		• Terminal block layout for I/O wiring