Description

C-9329 Gas Extinguishing Control Relay Module is used for connecting GST303/GST306 Gas Extinguishing Control Panel with the solenoid and pressure switch of gas extinguishing equipment.

Connection and Cabling

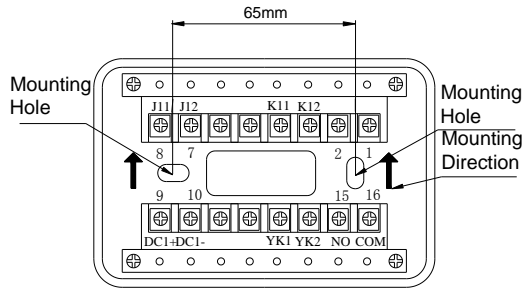Fig. 1 shows terminals of the module.

Fig. 1

Connection Description:

J11, J12: Output terminal of gas extinguishing Start command (short circuit in normal and 24VDC output when activated), connect with cylinder solenoid.

K11, K12: Input terminals of pressure switch, connect with the switch of cylinder.

DC1+, DC1-: Input terminals of gas extinguishing start command, connect with the corresponding terminals of gas extinguishing control panel.

YK1, YK2: Output terminals of feedback signals, connect with the corresponding terminals of gas extinguishing control panel.

COM, NO: Volt-free contact output terminal for gas extinguishing start command (common terminal and normally open contact. It's 2A/30VDC). Its use depends on the field condition.

Recommended Cabling

$1.5mm^2$ or above fire cable for DC1+, DC1-, J11 and J12 and $1.0mm^2$ or above fire cable for YK1, YK2, K11, K12, NO, and COM, subject to local codes.

Installation

The module is simply plugged onto the base after corresponding terminals are connected.

If the cable conduit is inside the wall, the base is installed onto the back box (Fig. 2). If the cable conduit is on the surface of the wall, a B-9310 back box is available (Fig.3).
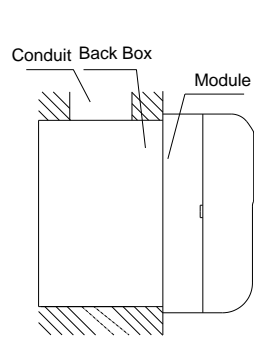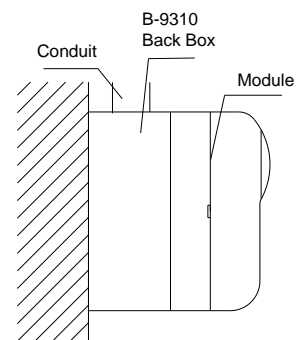**Note the upward arrow for mounting direction, (Fig.1).**

Fig. 2   Fig. 3

Application

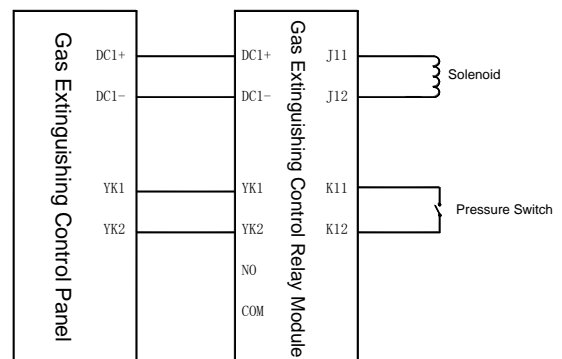The application method of the module in gas extinguishing system is shown in Fig. 4.

Fig. 4

Maintenance

Warning: Connect the solenoid of cylinder after all devices are installed. Use 510Ω resistor instead of solenoid when the module is tested.

The module should be tested after installation and at least once a year after putting into operation.

Before testing the module, notify the proper authorities that the system is undergoing maintenance and will temporarily be out of service. Meanwhile please disable this module in relative cause and effect equations from the fire alarm control panel, if necessary.

Testing: Directly or indirectly start the module through gas extinguishing control panel, the voltage at the two ends of 510Ω resistor measured by multimeter should be 24VDC; Short K11 and K12 by a jumper, gas extinguishing warning indicator of corresponding zone should be lit.

After testing, connect the solenoid of cylinder to corresponding terminals. Notify the proper authorities the system is back in operation.

If a module fails in testing, check the connection and test again. If it still fails, return it for repair.

Specification

Ambient Temperature	−10℃～+50℃
Relative Humidity	≤95%, non condensing
Material and Color of the Enclosure	ABS, white (RAL9016)
Weight	188g (with base)
Dimension (L×W×H)	120mm×80mm×43mm
Mounting Hole Spacing	65mm

Accessories and Tools

Model	Name	Remark
B-9310	Back Box	Order separately

Limited Warranty

GST warrants that the products are free of charge for repairing or replacing from defects in design, materials and workmanship during the warranty period. This warranty shall not apply to any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors and employees is not in the position to amend the contents of this warranty. Please contact local distributor for the products not covered by this warranty.

This Data Sheet is subject to change without notice. Please contact GST for more information or questions.