

Multi-functional Safety Control Module

- GCM-01D
- GCM-02D

Introduction

Multi-functional safety control modules are an ideal choice for their flexibility and cost-effectiveness. Smartsan TW offers a variety of solutions.

Features include MUTE (mute function), A contact point (NO), B contact point (NC), warning output, dual-channel emergency stop, External surveillance, and manual / automatic reset, meeting customer application needs.



GCM Multi-functional safety control module Property

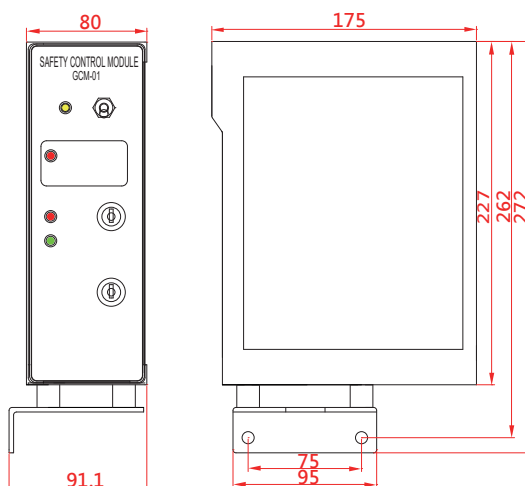
- AC 110V / AC220V Power Supply.
- MUTE Multi-functional Key bypass safety light curtain function.
- Maximum of 4 sets of A contact point (NO) or B contact point (NC) outputs.
- Maximum 2 sets of safety light curtains can be controlled.
- Metal Casing.

General Specifications

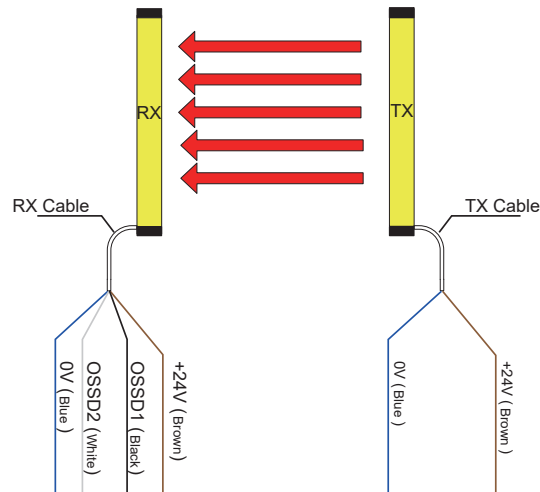
Model No.	GCM-01D	GCM-02D
Used Light curtains No.	1 Set	2 Sets
Power Supply	AC 110V /AC 220V	
Power consumption	AC 600mA	
Output Voltage	DC 24V	
Signal Input	PNP Signal Output *2	2 Sets PNP Signal Output *2
Signal Output	Safety RELAY Dry Contact, 2A/2B/1A1B	Safety RELAY Dry contact, 4A/4B/2A2B
Response time	20 ms	
MUTE	One key controls a set of safety light curtains bypass	Two keys are used to control two sets of light curtains respectively bypass
Operating Temperature	0°C to +50°C	
Enclosure rating	IP40	
Appearance	175mm*80mm*272mm Yellow paint finish, Metal Casing	

※PNP Signal (Sensor +24V interrupt be 0V)

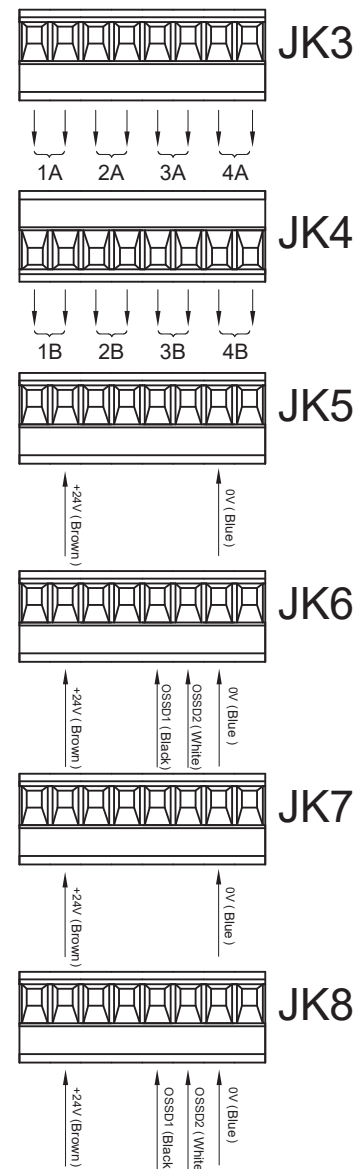
GCM Safety Series Control Modules Dimensions



GCM Series Safety Module Electric Connection



※ SMARTSCAN 1000+ for example ; C4 · ST Series
or other brands safety light curtain please contact with
smartscan TW.



JK5 · JK6 · JK7 · JK8 : PIN2 be +24V contact point (Brown wire)
JK5 · JK6 · JK7 · JK8 : PIN7 be 0V contact point (Blue wire)
JK6 · JK8 : PIN5 be safety light curtain Output contact point 1 (Black wire)
JK6 · JK8 : PIN6 be safety light curtain Output contact point 2 (White wire)

GCM Series Safety Module Wiring Instructions

- JK1 : DC converter (Factory-installed)
- JK2 : AC Input contact (FG - Grounding Wire · AC110V - optional AC110V or AC220V, AC0V - contact 0V)
- JK3 : Controller Output contact point A contact point (NO)
(Safety light curtain 1 control 1A1C, 2A2C. Safety light curtain 2 control 3A3C, 4A4C.)
- JK4 : Controller Output contact point B contact point (NC)
(Safety light curtain 1 control 1B1D, 2B2D. Safety light curtain 2 control 3B3D, 4B4D.)
(Either JK3 or JK4, cannot be used together)
- JK5 : Safety light curtain 1 Transmitter Input Port (Sync Cable1, 24V, Sync Cable2, NC, TEST, NC, 0V, GROUND)
- JK6 : Safety light curtain 1 Receiver Input Port (Sync Cable1, 24V, Sync Cable2, EDM, OSSD1, OSSD2, 0V, GROUND)
- JK7 : Safety light curtain 1 Transmitter Input Port (Sync Cable1, 24V, Sync Cable2, NC, TEST, NC, 0V, GROUND)
(GCM-02, GCM-02D)
- JK8 : Safety light curtain 1 Receiver Input Port (Sync Cable1, 24V, Sync Cable2, EDM, OSSD1, OSSD2, 0V, GROUND)
(GCM-02, GCM-02D)
- JK10 : inching mode, Warning Output B contact point (NC) (One of the keys Turn ON)
- JK11 : inching mode, Warning Output A contact point (NO) (One of the keys Turn ON)