

8 Channel Combine Fault / Operation Annunciator with CC-Link.

110mm Annunciator to contribute to saving space & wiring of MV/LV switchboard.

FEATURES

STANDARD SPECIFICATION

- 8 Fault / Operation inputs
- 2 External operation inputs
- 2 Alarm outputs

FREE SETTING FOR OPERATION MODE

- Fault Alarm: Red color
- Warning: Amber color
- Operation Indication: White, Green, Blue, Red (selectable)

COMMUNICATION OUTPUT (OPTION)

- Remote monitoring of fault or operation information by CC-Link communication.

TEST FUNCTION

- Fault, Operation, Alarm output, Communication output Sequence can be checked without adding input.

SETTING FUNCTION

- Easy setting with Organic EL Display (OLED).



Name sticker on image are for example only.

SPECIFICATIONS

Items		Specifications
Input		Fault or operation input (BI): 8 inputs, ALARM STOP: 1 input, LAMP RESET: 1 input Input pulse width 50ms or more, Minus Common
Input Range and Input Current *1		(1) AC85...127V Approx. 5mA (AC110V) (rated voltage AC100/110V) (2) DC80...143V Approx. 5mA (DC110V) (rated voltage DC100/110V)
Auxiliary Supply	Range and Consumption VA	(1) AC85...127V 4.5VA (rated voltage AC100/110V) (2) DC80...143V 3W (rated voltage DC100/110V)
	Inrush Current (Time Constant)	Rated Voltage AC110V 1.1A or less (approx. 14ms), Rated Voltage DC110V 0.8A or less (approx 14ms)
Display	LED	Fault Alarm: Red, Warning: Amber, Operation: White/Green/Blue/Red (Total: 8 inputs, Selectable) The function name of each LED can be labeled by attaching a name sticker *2 to the right space (31mm x 11mm).
	OLED	Setting & test guidance display
Alarm Output	Contact Configuration	BL: Fault Alarm, BZ: Warning, 2 output: N.O.
	Contact Capacity	AC125V 8A, DC125V 0.3A (resistance load), AC125V 5A, DC125V 0.1A (inductive load)
	Response Time	100ms or less
Communication output (Option)	Protocol	CC-Link Ver.1.10
	Transmission Method	Broadcast Polling Method
	Synchronization Method	Frame Synchronization Method
	Communication Speed	156kbps/625kbps/2.5Mbps/5Mbps/10Mbps
	Encoding Method	NRZI
	Transmission Path Format	Bus format (TIA-485-A compliant)
	Transmission Format	HDLC compliant
	Error Control Method	CRC ($x^{16}+x^{12}+x^5+1$)
	Number of Occupied Stations	Remote device station occupies 1 station
	Number of Connected Units	42 (remote device station)
	Station Number Setting	1...64
	Connection Cable	CC-Link Ver.1.10 dedicated cable
Terminating Resistance	An internal termination resistor is connected with a 110Ω terminal short circuit.	

*1: Input is the same as the auxiliary supply. *2: The name sticker is not included with the product. Please prepare your own.

SEQUENCES

Mode	Fault Alarm / Warning		Operation
	Automatic Reset (A-14)*3	Manual Reset (M-14)*3	
Restoration	-		-
Fault Input (BI)	Under 20ms Over 50ms (Momentary Fault) Continuous Fault	Under 20ms Over 50ms (Momentary Fault) Continuous Fault	Under 20ms Over 50ms
Fault Display (LED)	Flash Flash	Flash Flash	
ALARM STOP (Switch/BI)			
LAMP RESET (Switch/BI)			
LAMP TEST (Switch)			
Alarm Output (BL/BZ)			
<p>Fault Input (BI) and Fault Display (LED) will be automatic reset after ALARM STOP (switch/BI).</p> <p>Fault Display (LED) must be reset by LAMP RESET (Switch/BI) after Fault Input (BI) return.</p>			

*3: By ISA standard ANSI/ISA-S18.1-1979.

ORDERING INFORMATION

Please specify product type, specification code, number of units.

Type

FSA-110 -

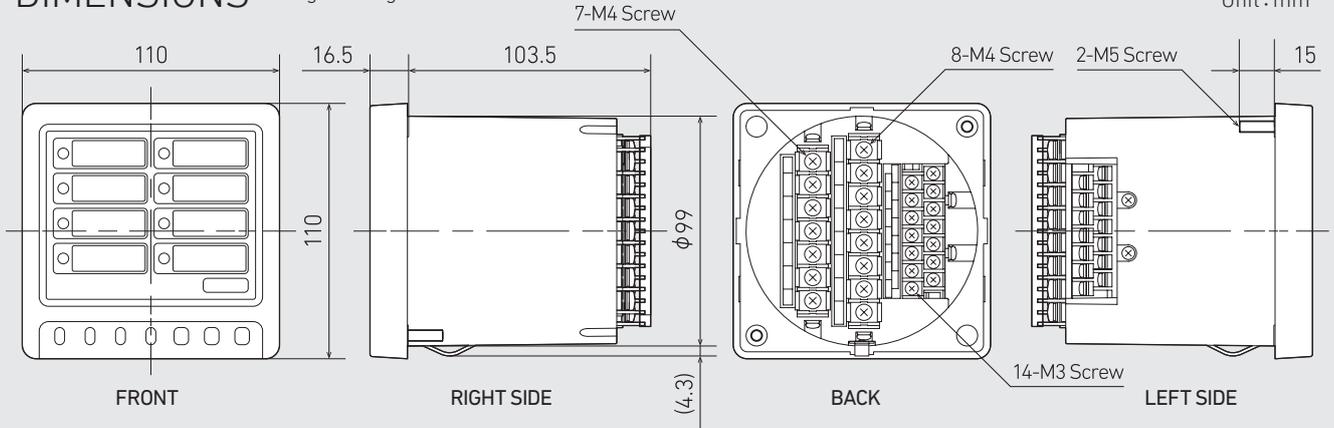
Specification Code

Auxiliary Supply		Communication output	
1	AC100/110V	0	none
2	DC100/110V	1	CC-Link

DIMENSIONS

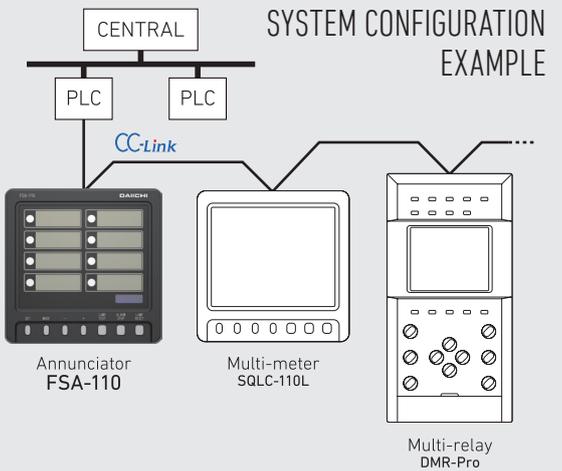
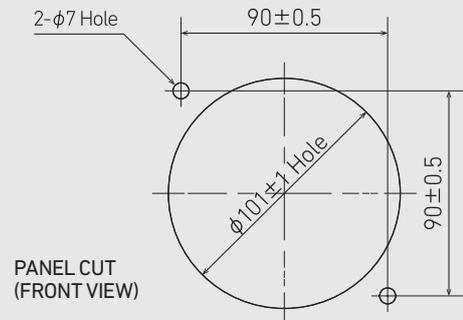
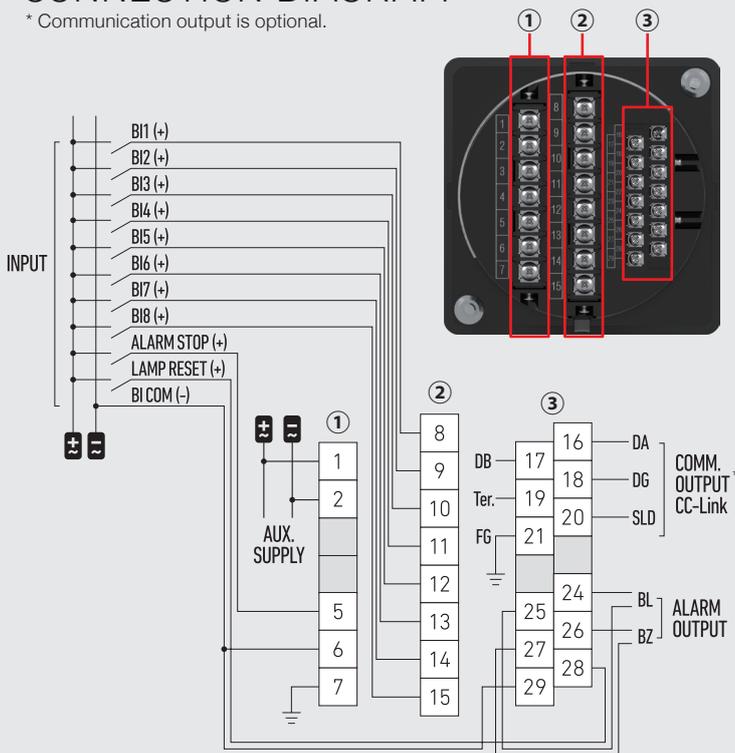
Weight : 500g

Unit : mm



CONNECTION DIAGRAM

* Communication output is optional.



SAFETY PRECAUTIONS

For ensure safety, Technical knowledge is necessary when using this product. Please refer to manual instruction for correct operation. Please check connection diagram carefully before performing connections. Please DO NOT work with live wires. There is a risk of electric shock, device malfunction or fire.

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NOTE: Reserves the right to update the specification without notification.



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