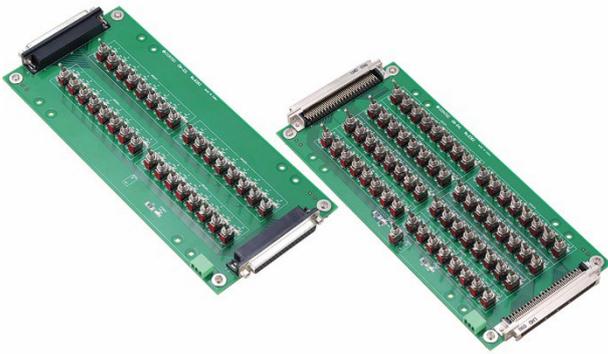


Signal monitor Accessory for Digital I/O
CM-32L, CM-64L



Left : CM-32M, Right : CM-64M

* Specifications, color and design of the products are subject to change without notice.

Features

Signal monitoring LED provide for every point.

Capable of generating switch-operated signals for all points.

Capable of checking digital I/O board/card operation without any external device connected.

Capable of checking operation of an independent external device.

Capable of supplying external power from this product if connected to an insulated digital I/O board/card.

Mountable on a 35-mm DIN rail using the DIN rail mounting adapter "DIN-ADP1" (separately priced).

Specifications

Item	CM-32L	CM-64L
Number of I/O channels	32	64
Number signal monitoring LEDs	32	64
Number of pseudo-signal switches	32	64
External power supply*1	12 - 24VDC (depending on the board/card connected)	12 - 24VDC (depending on the board connected)
Connector used	CN1, CN2: 37 pin D-SUB connector [Female] DCLC-J37SAF-20L9 [mfd. by JAE, Female] equivalent Screw lock #4-40UNC CN3: MC 1,5/3-G-3,5 [mfd. by PHOENIX CONTACT] equivalent	CN1, CN2: PCR-E96LMD [mfd. by HONDA] CN3: MC 1,5/3-G-3,5 [mfd. by PHOENIX CONTACT] equivalent
Operating Conditions	0 - 50°C, 20 - 90%RH (No condensation)	
Physical Dimensions (mm)	105(W) x 230(D) x 35(H)	
Weight	200g	260g
Facilities for additional functions	None	STB input, ACK output

*1: When the product is connected with a digital I/O board/card with an integrated power supply, no external power supply is required if the product uses that internal power supply.
 No external power supply is required when the product is connected with a non-isolated digital I/O board/card.

Accessories

DIN rail Mounting Adapter for Accessories : DIN-ADP1

AC adaptor (Input: 100VAC, Output: 12VDC 1A) : POA201-10-2

Packing List

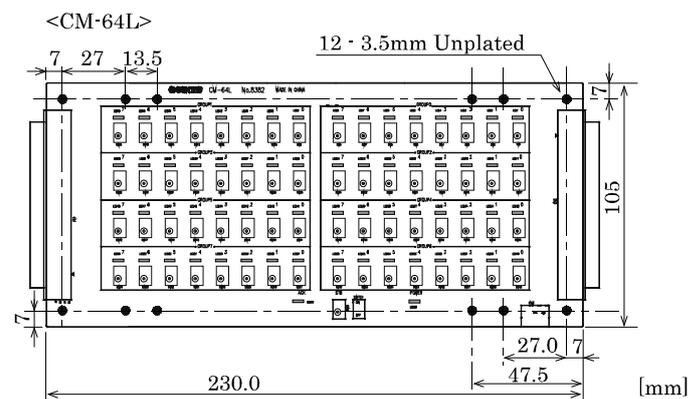
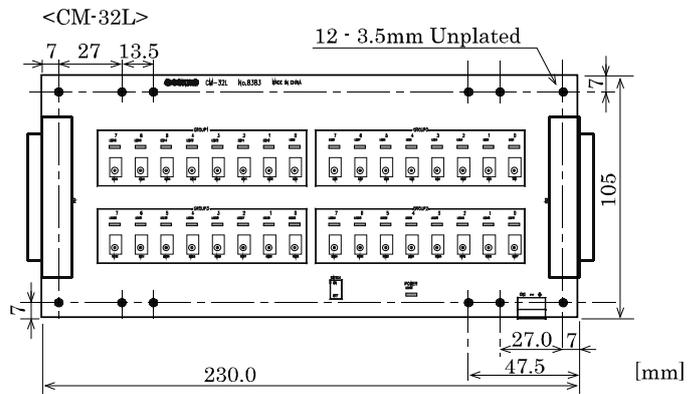
Body(One of the following) [CM-32L, CM-64L] : 1
 User's Guide (this document) ... 1
 External power supply connector... 1

This product is a Signal Monitor for a CONTEC Digital I/O board/card. This product can monitor the status of the connected signal line or generates pseudo signals onto the signal line to debug programs and check their behavior.

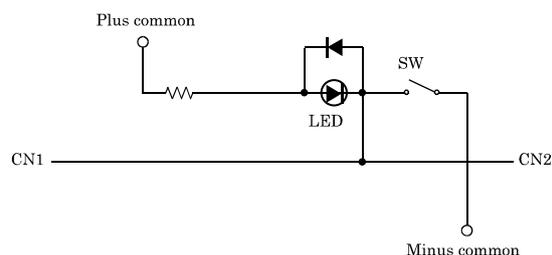
Model	Number of I/O channels	Facilities for additional functions
CM-32L	32	None
CM-64L	64	STB input ACK output

* The contents in this document are subject to change without notice.
 * Visit the CONTEC website to check the latest details.
 * The information in the data sheets is as of November, 2024.

Physical Dimensions

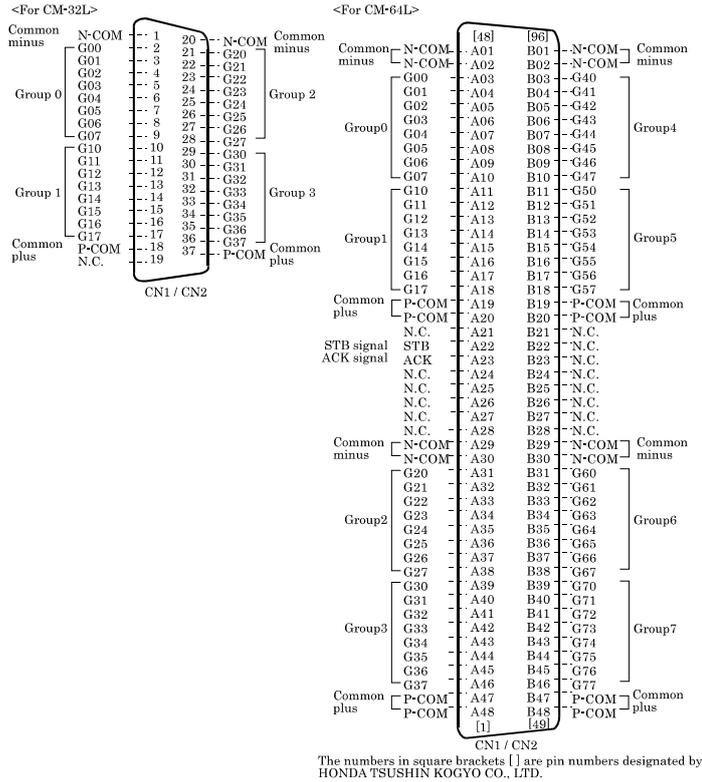


Internal Circuit



Wiring Diagram

CN1, CN2

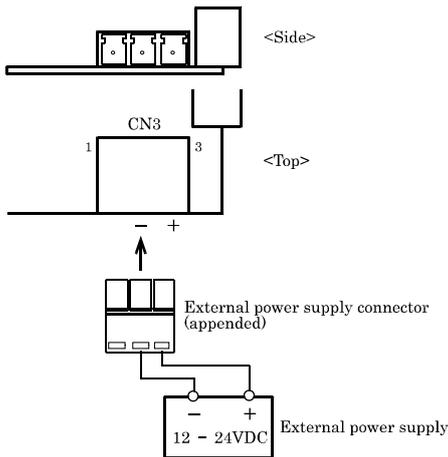


CN3

When the product is connected to an insulated digital I/O board/card, the CN3 can supply external power to it (for all common terminals).

When using the external power supply, please connect with external power supply connector (Appended goods) and install to CN3.

When using the optional AC adaptor [POA201-10-2], please connect directly to the CN3.

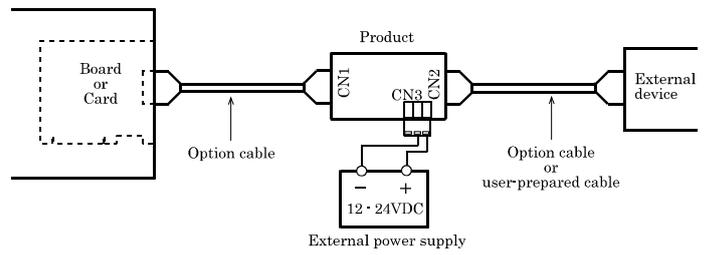


CAUTION

- If the connected digital I/O board has and uses an internal power supply, do not use any external power supply.
- If this product is connected to an uninsulated digital I/O board/card, do not connect any external power supply.

CM-32L or CM-64L Connections

- (1) Connect the interface board/card and the product using the separately available option cable.
- (2) Connect an external device and an external power supply to this product as required.



CAUTION

- If the connected digital I/O board has and uses an internal power supply, do not use any external power supply.
- If this product is connected to an uninsulated digital I/O board/card, do not connect any external power supply.

Difference point with CM-32(PC)E or CM-64(PC)E

	CM-32L	CM-32(PC)E
External power supply	12 - 24VDC	5 - 24VDC
Shape of CN3	MC 1.5/3-G-3.5 [mfd. by PHOENIX CONTACT] equivalent ※External power supply connector is appended	M3 screw-type terminals.
Pin assignment of CN3	Unconnection, -, +	+, -
Weight	200g	230g

	CM-64L	CM-64(PC)E
External power supply	12 - 24VDC	5 - 24VDC
Shape of CN3	MC 1.5/3-G-3.5 [mfd. by PHOENIX CONTACT] equivalent ※External power supply connector is appended	M3 screw-type terminals.
Pin assignment of CN3	Unconnection, -, +	+, -
Weight	260g	320g