

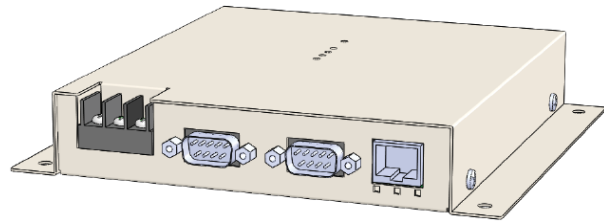
NO: RF-036 **PRODUCT:** V700-L22 CIDRW Controller
DATE: February 2016 **TYPE:** Discontinuation Notice

V700-L22 CIDRW Controller will be Discontinued; Replace with V700-L22-V2 Available September 2016

Effective date: December 2016

Affected Parts

Product discontinuation	Recommended replacement
V700-L22	V700-L22-V2
V700-L22-6	V700-L22-V2-6



Precautions on Applying Replacements

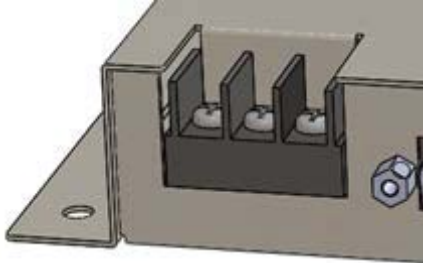
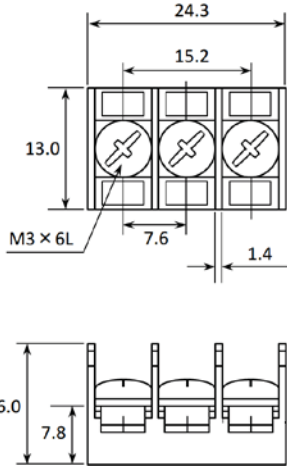
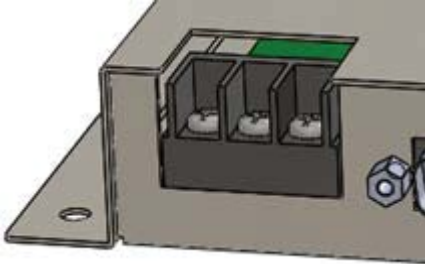
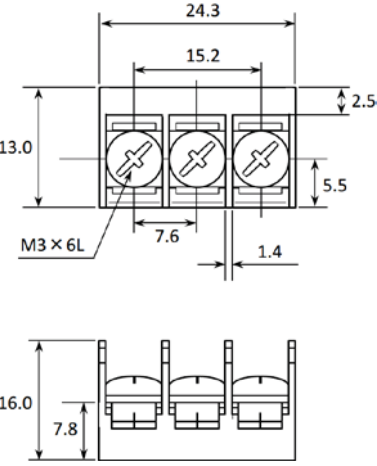
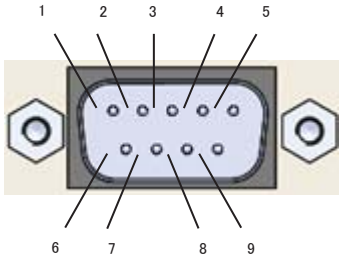
- There are additional items of software revision and parameters. Please make sure in advance that there is no impact associated with these changes.
- "NVASC" parameter is added. Reading the parameters, this parameter (NVASC) will be output.
- Additional attributes can be set/retrieved by the SECS message include ("T_SEGN", "T_SEGL", "RVER", "RT", "S_T1", "S_T2", "S_T3", "S_T4" and "S_RTY"). These attributes will be output, when using Get All Attributes (S18,F1).
- Please make sure there is no impact in your system.

Detail of Differences

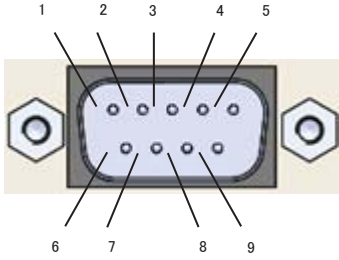


Body Color

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)
Ivory white (Surface treatment: medium gloss / soft satin)	Same as on the left.

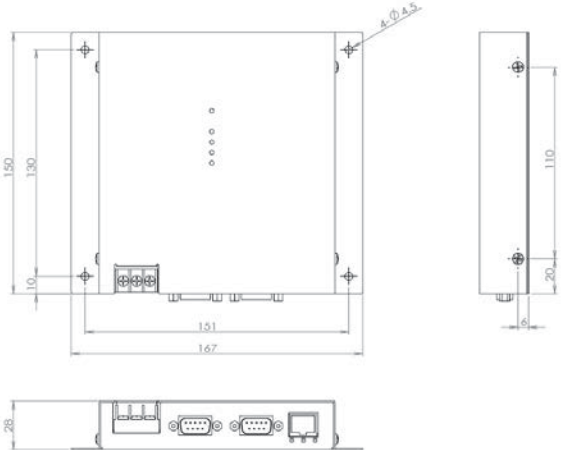
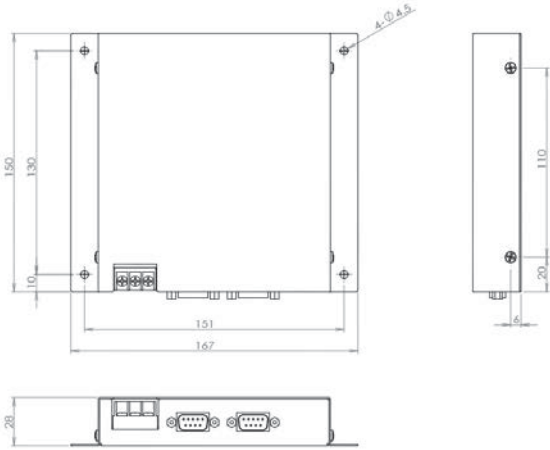
Wire Connection

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)																																								
<p>Power terminal Open-end type</p>  <p>Size of power terminal base</p> 	<p>Power terminal Closed-end type</p>  <p>Size of power terminal base</p> 																																								
<p>ID port</p>  <table border="1" data-bbox="133 1558 755 1843"> <thead> <tr> <th>Pin No</th> <th>Name</th> <th>Code address</th> <th>Signal direction</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-</td> <td>NC</td> <td>-</td> </tr> <tr> <td>2</td> <td>Receive data</td> <td>RD</td> <td>Input</td> </tr> <tr> <td>3</td> <td>Send data</td> <td>SD</td> <td>Output</td> </tr> <tr> <td>4</td> <td>-</td> <td>-</td> <td>Output (Low)</td> </tr> <tr> <td>5</td> <td>Signal ground</td> <td>SG</td> <td>-</td> </tr> <tr> <td>6</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>7</td> <td>Request send</td> <td>RS</td> <td>Output</td> </tr> <tr> <td>8</td> <td>Send enable</td> <td>CS</td> <td>Input</td> </tr> <tr> <td>9</td> <td>-</td> <td>NC</td> <td>-</td> </tr> </tbody> </table>	Pin No	Name	Code address	Signal direction	1	-	NC	-	2	Receive data	RD	Input	3	Send data	SD	Output	4	-	-	Output (Low)	5	Signal ground	SG	-	6	-	-	-	7	Request send	RS	Output	8	Send enable	CS	Input	9	-	NC	-	<p>ID port</p> <p>Same as on the left.</p>
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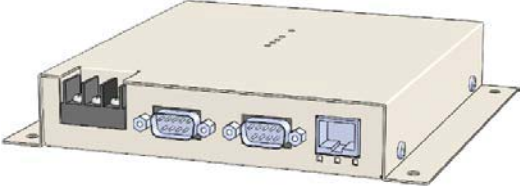
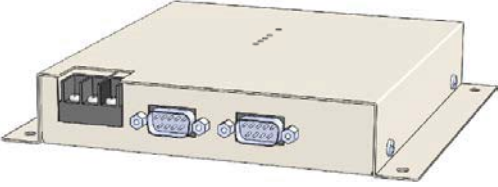
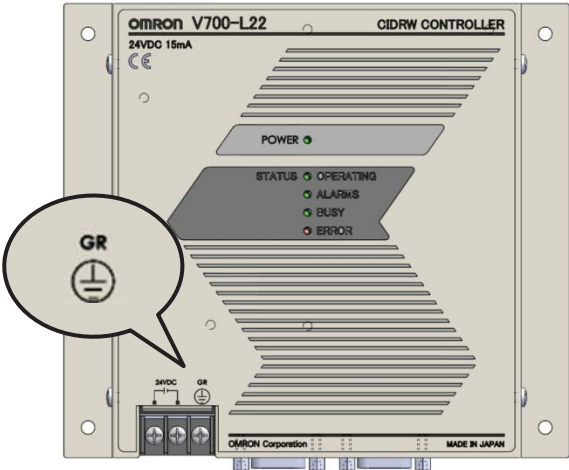
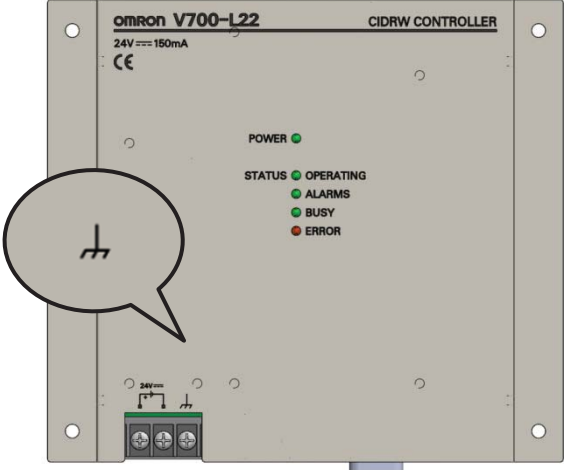
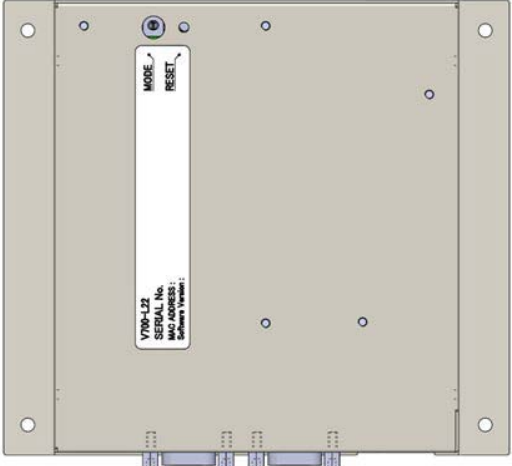
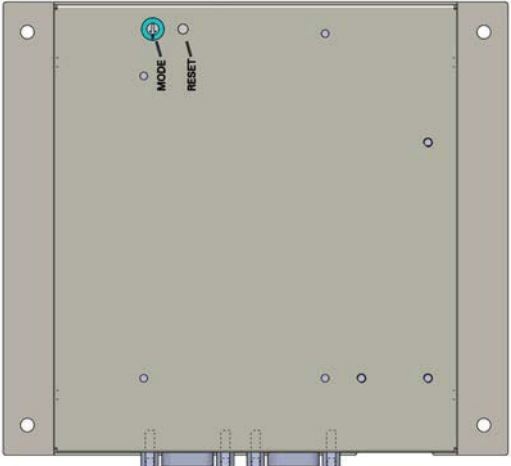

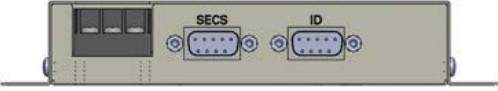
Wire Connection (continued)

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)																																								
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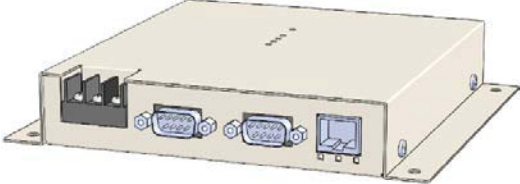
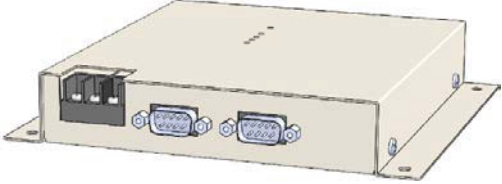




Dimensions

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)
	<p>No change. (There is no MAINTENANCE port.)</p> 

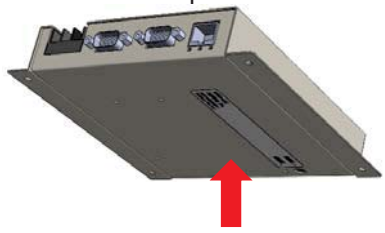

Exterior / Parts

<p align="center">Product discontinuation Model V700-L22(-□)</p>	<p align="center">Recommended replacement Model V700-L22-V2(-□)</p>
<p>Exterior of the product</p> 	<p>Exterior of the product</p> 
<p>Design (Top side)</p> 	<p>Design (Top side)</p> <p>It will change from the seal to print. The wave design will disappear. It will change from “24VDC” to “24V===”. Indication of “manufacturer” and “manufacturing country” will disappear. The type end symbol will disappear. (It will print to the nameplate label.) FG terminal symbol will change.</p> 
<p>Design (Bottom side)</p> 	<p>Design (Bottom side)</p> <p>Representation of MODE switch and RESET switch (lead line) will change.</p> 
<p>Design (Connector side)</p> 	<p>Design (Connector side)</p> <p>Printing of “RS-232C” will disappear.</p> 

E xterior / Parts (continued)

<p align="center">Product discontinuation Model V700-L22(-□)</p>	<p align="center">Recommended replacement Model V700-L22-V2(-□)</p>																																				
<p>Type and position of the LED There are 5 LEDs at top side.</p>  <table border="1" data-bbox="172 489 756 1016"> <thead> <tr> <th>Name</th> <th>Color</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>POWER</td> <td>green</td> <td>Lit while the power is ON.</td> </tr> <tr> <td>OPERATING</td> <td>green</td> <td>Lit while the CIDRW system status model is operating.</td> </tr> <tr> <td>ALARMS</td> <td>green</td> <td>Lit when the status in "Alarm Status".</td> </tr> <tr> <td>BUSY</td> <td>green</td> <td>Lit when the CIDRW system is BUSY.</td> </tr> <tr> <td>ERROR</td> <td>red</td> <td>When a processing error is detected (when SSACK is other than NO), this indicator is lit for 50 ms.</td> </tr> </tbody> </table>	Name	Color	Function	POWER	green	Lit while the power is ON.	OPERATING	green	Lit while the CIDRW system status model is operating.	ALARMS	green	Lit when the status in "Alarm Status".	BUSY	green	Lit when the CIDRW system is BUSY.	ERROR	red	When a processing error is detected (when SSACK is other than NO), this indicator is lit for 50 ms.	<p>Type and position of the LED Same as on the left.</p>  <table border="1" data-bbox="849 489 1433 1016"> <thead> <tr> <th>Name</th> <th>Color</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>POWER</td> <td>green</td> <td>Lit while the power is ON.</td> </tr> <tr> <td>OPERATING</td> <td>green</td> <td>Lit while the CIDRW system status model is operating.</td> </tr> <tr> <td>ALARMS</td> <td>green</td> <td>Lit when the status in "Alarm Status".</td> </tr> <tr> <td>BUSY</td> <td>green</td> <td>Lit when the CIDRW system is BUSY.</td> </tr> <tr> <td>ERROR</td> <td>red</td> <td>When a processing error is detected (when SSACK is other than NO), this indicator is lit for 50 ms.</td> </tr> </tbody> </table>	Name	Color	Function	POWER	green	Lit while the power is ON.	OPERATING	green	Lit while the CIDRW system status model is operating.	ALARMS	green	Lit when the status in "Alarm Status".	BUSY	green	Lit when the CIDRW system is BUSY.	ERROR	red	When a processing error is detected (when SSACK is other than NO), this indicator is lit for 50 ms.
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<p>Switch Refer to "Operation method".</p>	<p>Switch No change. Refer to "Operation method" for details.</p>																																				
<p>The screw of the D-SUB connector</p>  	<p>The screw of the D-SUB connector</p> <p>Appearance will change.</p>  																																				

Nameplate Label

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)
<p>Print text color : black Background color : silver</p> <p>Example)</p> <div data-bbox="162 336 747 451" style="border: 1px solid black; padding: 5px;"> <p>V700-L22 MODE</p> <p>SERIAL No. RESET</p> <p>MAC ADDRESS :</p> <p>Software Version :</p> </div> <p>The position of the nameplate label is "bottom".</p> 	<p>Print text color : black Background color : white It will change from Serial No to Lot No. Example)</p> <div data-bbox="836 336 1339 483" style="border: 1px solid black; padding: 5px;"> <p>OMRON V700-L22-V2 CIDRW CONTROLLER</p> <p>SOURCE : 24V --- □□□□□</p> <p>Software Version :</p> <p>LOT No.</p> <p>OMRON Corporation Kyoto, 600-8530 JAPAN MADE IN JAPAN</p> </div> <p>The position of the nameplate label is "rear".</p> 

Characteristics

Item	Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)
Power supply voltage	24 VDC +10% -15%	Same as on the left.
Current consumption	150mA	Same as on the left.
Ambient temperature	Storage: -15 to +65°C (with no icing) Operating: 0 to +40°C (with no icing)	Same as on the left.
Ambient humidity	Storage: 10 to 95%RH (with no condensation) Operating: 10 to 85%RH (with no condensation)	Same as on the left.
Degree of protection	IP20 (IEC60529)	Same as on the left.
Insulation resistance	50M ohm min. between power supply terminals and the frame ground terminal (500 VDC M)	Same as on the left.
Dielectric strength	500 VAC (50/60 Hz for 1 minute) between both power supply terminals and the frame ground terminal.	Same as on the left.
Vibration resistance	Frequency: 10 to 150 Hz; double amplitude: 0.20 mm; acceleration: 15 m/s ² for 8 minutes, 10 times each in X, Y, and Z directions.	Same as on the left.
Shock resistance	Shock of 150 m/s ² in X, Y, and Z directions, 3 times each for 18 repetitions.	Same as on the left.
Ground	Ground to 100ohm or less.	Same as on the left.
Case material	SECC	Same as on the left.

Operation Ratings

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)
Format for DATALENGTH (S18F5/S18F7) Model V700-L22 U2 Model V700-L22-6 U1 , U2 or ASCII	DATALENGTH (S18F5/S18F7) U1 , U2 or ASCII
Treatment of Non-Visible ASCII in the CID area (S18F9) Model V700-L22 Visible ASCII only Model V700-L22-6 <NVASC=STD *default> <ul style="list-style-type: none"> · Reply to CID by deleting the Non-Visible ASCII characters. · If there is no Visible ASCII in the CID, reply an error. <NVASC=EXT> <ul style="list-style-type: none"> · If the first data of the CID specified by CIDOF and CIDLN is NULL, reply an error. · If there is no Visible ASCII characters between the beginning and first NULL character specified by CIDOF and CIDLN, reply an error. · Reply to CID by deleting the Non-Visible ASCII characters between the beginning and first NULL character specified by CIDOF and CIDLN. 	Treatment of Non-Visible ASCII in the CID area (S18F9) It depends on the “NVASC” which is new attribute. <NVASC=NOM> *default:V700-L22-V2 <ul style="list-style-type: none"> · Visible ASCII only <NVASC=ALL> <ul style="list-style-type: none"> · All characters <NVASC=STD> *default:V700-L22-V2-6 <ul style="list-style-type: none"> · Reply to CID by deleting the Non-Visible ASCII characters. · If there is no Visible ASCII in the CID, reply an error. <NVASC=EXT> <ul style="list-style-type: none"> · If the first data of the CID specified by CIDOF and CIDLN is NULL, reply an error. · If there is no Visible ASCII characters between the beginning and first NULL character specified by CIDOF and CIDLN, reply an error. · Reply to CID by deleting the Non-Visible ASCII characters between the beginning and first NULL character specified by CIDOF and CIDLN. When reading all the parameters/attributes, “NVASC” will be output as the last parameter/attribute. When sending “:: GET_E99SYS” command in the setting mode, “NVASC” will be output as the last parameter.
Software revisions (RVER) Model V700-L22 2.00 (L22 mode) *default 1.10 (L21 mode) Model V700-L22-6 2.20 (L22 mode) *default 1.10 (L21 mode)	Software revisions (RVER) 3.00 (L22-V2 mode) *default 1.10 (L21 mode)

Operation Ratings (continued)\

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)
Double block detection (S_DB) Model V700-L22 1 : Enabled 0 : Disabled *default Model V700-L22-6 1 : Enabled *default 0 : Disabled	Double block detection (S_DB) Model V700-L22-V2 1 : Enabled 0 : Disabled *default Model V700-L22-V2-6 1 : Enabled *default 0 : Disabled
Attribute “Software revisions” (SoftwareRevisionLevel) Model V700-L22 “002.00” *default “001.10” Model V700-L22-6 “002.20” *default “001.10”	Attribute “Software revisions” (SoftwareRevisionLevel) “003.00” *default “001.10”
Attribute “Hardware revisions” (HardwareRevisionLevel) “001.04”	Attribute “Hardware revisions” (HardwareRevisionLevel) “002.00”
Attribute “Maintenance data” 71 bytes “ (space)	Attribute “Maintenance data” 80 bytes “ (space)
Attribute “Model number” Model V700-L22 : “L22 ” Model V700-L22-6 : “L22-6 ”	Attribute “Model number” Model V700-L22-V2 : “L22V2 ” Model V700-L22-V2-6 : “L22V26”
Addition of parameters using SECS messages No function	Addition of parameters using SECS messages You can set the following items by SECS message. 1) CID Field (CID Max Length): T_CIDLEN 2) Segment name: T_SEGN 3) Segment length: T_SEGL 4) L21 mode / L22-V2 mode: RVER 5) Timeout parameter - RT(response timeout) - S_T1 (Timeout between characters) - S_T2 (Protocol timeout) - S_T3 (Response timeout) - S_T4 (Timeout between blocks) - S_RTY (Retry limit) You can change above parameters in the original state (CP). Configuration parameters is confirmed by sending CPVAL = "ST", it will be effective immediately.
Byte length of CID Max. 16 bytes	Byte length of CID Max. 32 Bytes

Operation Methods

Product discontinuation Model V700-L22(-□)	Recommended replacement Model V700-L22-V2(-□)
<p>Mode switch</p> <p>The diagram shows a perspective view of the device with a red circle around the mode switch. A callout box provides a close-up view of the switch, which is a blue rotary switch with 'MODE' and 'RESET' markings. A red arrow points to the switch.</p>	<p>Mode switch</p> <p>Same as on the left.</p> <p>The diagram shows a perspective view of the device with a red circle around the mode switch. A callout box provides a close-up view of the switch, which is a blue rotary switch with 'MODE' and 'RESET' markings. A red arrow points to the switch.</p>
<p>Reset switch</p> <p>The diagram shows a perspective view of the device with a red circle around the reset switch. A callout box provides a close-up view of the switch, which is a small circular button. A red arrow points to the switch.</p>	<p>Reset switch</p> <p>Same as on the left.</p> <p>The diagram shows a perspective view of the device with a red circle around the reset switch. A callout box provides a close-up view of the switch, which is a small circular button. A red arrow points to the switch.</p>

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.