



Allen-Bradley

by ROCKWELL AUTOMATION

Bul. Cat 1492-CM1771-LD012

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en Installation instructions Digital I/O Conversion Module

de Montageanweisung

fr Notice de montage

it Istruzioni di montaggio

zh 安装说明书

es Instrucciones de montaje

ru Инструкция по монтажу

pt Instruções de instalação

ko 설치 매뉴얼

ja インストールインストラクション



en **ATTENTION! HAZARDOUS VOLTAGE!**

The installation and the operation of this device and any maintenance must be carried out by a qualified person in accordance with specific local standards and safety regulations. Before installing this device, read these operating instructions carefully. Do not touch live parts. To avoid damages to persons and material the devices have to be replaced in case of mechanical and/or electrical damage.



(Follow NFPA 70E requirements).



de **ACHTUNG! GEFÄHRliche SPANNUNG!**

Die Installation und der Betrieb dieses Geräts sowie jegliche Wartung müssen von einer qualifizierten Person gemäß den spezifischen örtlichen Normen und Sicherheitsvorschriften durchgeführt werden. Lesen Sie vor der Installation des Geräts diese Betriebsanleitung sorgfältig durch. Aktive Teile dürfen nicht berührt werden. Um Schäden an Personen und Material zu vermeiden, müssen die Geräte bei mechanischen und/oder elektrischen Schäden an den Geräten ersetzt werden.

fr **ATTENTION! TENSION DANGEREUSE!**

L'installation, l'utilisation et la maintenance de ce dispositif doivent être réalisées par du personnel qualifié conformément aux normes et réglementations de sécurité locales. Avant d'installer le dispositif, lisez attentivement ces directives d'utilisation. Ne touchez pas les pièces sous tension. Afin d'éviter les dommages causés aux personnes et aux biens, les dispositifs doivent être remplacés en cas de dommage mécanique et/ou électrique. (Respectez les exigences NFPA 70E).

it **ATTENZIONE! PERICOLO TENSIONE!**

L'installazione e il funzionamento di questo dispositivo e qualsiasi manutenzione devono essere eseguiti da una persona qualificata in conformità con le norme locali e di sicurezza specifiche. Prima di installare questo dispositivo, leggere attentamente queste istruzioni per l'uso. Non toccare le parti in tensione. Per evitare danni a persone e materiali, i dispositivi devono essere sostituiti in caso di danni meccanici e/o elettrici.

zh **注意! 电压危险!**

本设备的安装和操作以及所有维护工作必须由合格的人员按照当地的具体标准和安安全守则进行。安装本设备前, 请仔细阅读这些操作说明。请勿触摸带电部分。为了避免人员伤亡和材料损害, 如果在出现机械和/或电气损坏, 必须更换此设备。

es **¡ATENCIÓN! ¡VOLTAJE PELIGROSO!**

La instalación y operación de este dispositivo, así como cualquier mantenimiento, debe ser realizado por una persona cualificada de acuerdo con estándares locales y reglamentos de seguridad específicos. Antes de instalar este dispositivo, lea atentamente las instrucciones de uso. No toque piezas bajo tensión. Para evitar daños personales y materiales, los dispositivos deben reemplazarse en caso de fallo mecánico o eléctrico. (Siga los requisitos NFPA 70E).

ru **ВНИМАНИЕ! ОПАСНОЕ НАПРЯЖЕНИЕ!**

Установка и эксплуатация этого устройства, а также любое техническое обслуживание и ремонт должны выполняться квалифицированным специалистом согласно соответствующим местным стандартам и нормам техники безопасности. Перед установкой данного устройства внимательно прочтите настоящую инструкцию по эксплуатации. Не прикасайтесь к токоведущим частям. В случае возникновения механических и/или электрических повреждений необходимо заменять устройства во избежание травматизма персонала и повреждения материальной части.

pt **ATENÇÃO! TENSÃO PERIGOSA!**

A instalação e operação deste dispositivo e qualquer manutenção devem ser feitas por pessoal qualificado, de acordo com as normas locais e regulamentações de segurança. Antes de instalar este dispositivo, leia com atenção as instruções de operação. Não toque em peças energizadas. Para evitar danos a pessoas e materiais, os dispositivos devem ser substituídos em caso de dano mecânico e/ou elétrico.

ko **주의! 위험한 전압!**

이 장치의 설치 및 작동과 유지 보수는 자격 직원 이 지역 표준 및 안전 규정에 따라 수행해야 합니다. 이 장치를 설치하기 전에 사용자 매뉴얼을 주의 깊게 읽으십시오. 작동 중인 부품에 손을 대지 마십시오. 인적 및 물적 피해를 방지할 수 있도록 기계적 및/또는 전기적 손상이 발생하는 경우에 장치를 교체해야 합니다.

ja **注意! 危険電圧!**

装置の取り付け、操作、保守は、地域の特定の規格や安全規制に従い、資格のある担当者が行う必要があります。この装置を設置する前に、これらの手順をよくお読みください。充電部に触れないでください。人や物への損害を避けるため、機械的または電氣的な損傷がある場合は、装置を交換する必要があります(NFPA 70E要件に準拠)。

I. Description

This Digital I/O Conversion system provides for the conversion of (1) 1771, 8 point I/O module to (1) 1756, 8 point I/O module OR (2) 1771, 8 point I/O modules to (1) 1756, 16 point I/O module and consists of the following:

(1) 1771 Module (8pt) to (1) 1756 Module (8pt)

(1) Conversion Modules: 1492-CM1771-LD012

(1) Cable: 1492-CONCAB005Y (Table 2)

(1) Conversion Mounting Assembly: 1492-MUA... (Table 1)

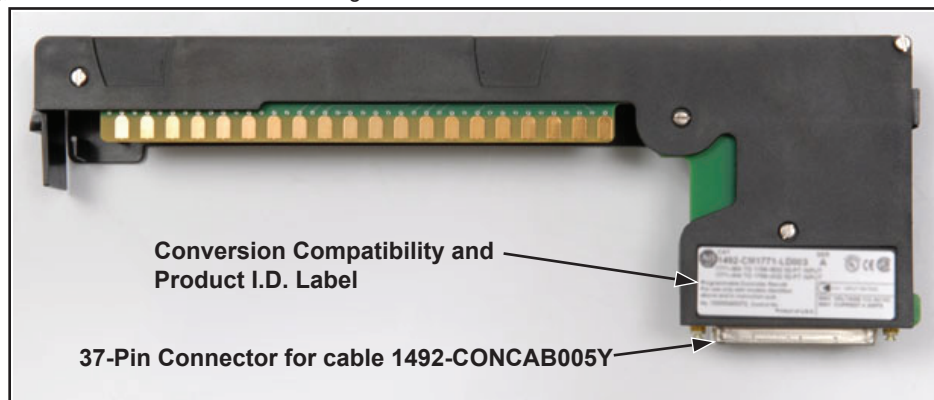
(2) 1771 Module (8pt) to (1) 1756 Module (16pt)

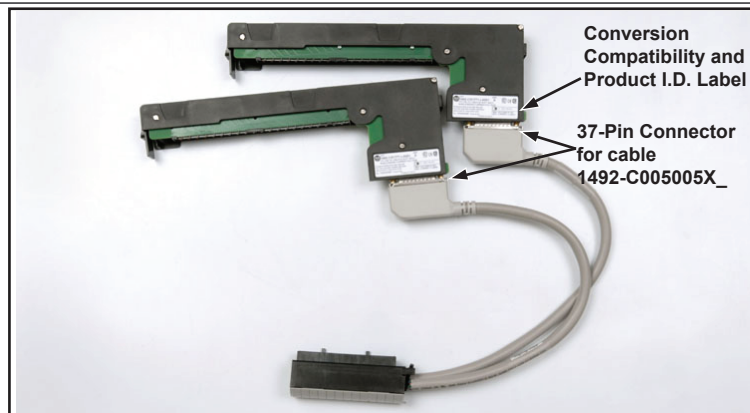
(2) Conversion Modules: 1492-CM1771-LD012

(1) Cable: 1492-C005C005X_ (Table 2)

(1) Conversion Mounting Assembly: 1492-MUA... (Table 1)

This conversion is accomplished without the removal of any field wires from the existing 1771 Swing Arms. The existing 1771 Swing Arms fit directly onto the edge connectors of the 1492 Conversion Modules. On one end of the 1492 Cables are (1) or (2) connectors for the Conversion Modules. On the other end is the Removable Terminal Block (RTB) for the 1756 I/O module, as shown in the photo below. The I/O signals are routed through the 1492 Conversion Module and the 1492 Cable to the appropriate terminals on the 1756 I/O module per the Wiring Diagrams in Section IV. As standard, the 1492 Cables are 0.5M long, but we also offer a 1.0M cable length. Refer to the footnotes in Table 2, Section III for further details.



**1492-CM1771-LD012 Conversion Module****WARNING**

De-energize and lockout any and all power to all I/O field devices connected to the A-B 1771 I/O chassis, and the power to the 1771 I/O chassis itself. Ensure all power is de-energized and locked out to any device in the control cabinet where the conversion is to be performed. Ensure work is performed by qualified personnel.

AVERTISSEMENT

Déconnecter et verrouiller l'alimentation de tous les modules d'E/S locaux connectés à la base de montage d'E/S A-B1771 et l'alimentation de la base de montage d'E/S A-B 1771 elle-même. S'assurer que l'alimentation électrique de tous les équipements de l'armoire de commande ou la conversion doit être effectuée est déconnectée et verrouillée. S'assurer que le travail est effectué par du personnel qualifié.

II. Installation

The 1492 Conversion Modules must be installed in a 1492 Conversion Mounting Assembly (see Table 1 below). A complete System Installation Manual ships with the 1492 Conversion Mounting Assembly.

- 1) Determine the quantity of each type of 1771 I/O modules used in the 1771 I/O Chassis to be converted.
- 2) Select the applicable 1492 Conversion Modules from Table 2, Section III.
- 3) Review the Max Slots for I/O and Chassis Width data from the Table 1 below.
- 4) Select a 1756 I/O Chassis which has enough I/O Slots.

NOTE: (2) I/O slots are required in the 1756 Chassis for conversions where (1) 1771 I/O module converts to (2) 1756 I/O modules.

- 5) Select the 1492 Conversion Mounting Assembly which has enough Conversion Module slots.

NOTE: (2) Conversion Module slots are required in the 1492 Conversion Mounting Assembly for conversions where (2) 1771 I/O module convert to (1) 1756 I/O modules.

NOTE: The 1492 Conversion Mounting Assembly has the same Height & Width foot-print as the 1771 Chassis and is designed to use the same mounting hardware. The combined Depth of the 1492 Conversion Mounting Assembly with the 1756 Chassis mounted on top is 10.25 inches (Controller w/key) or 10.0 inches (Controller w/o key). Dimension drawings are included in the System Installation Manual that ships with the 1492 Conversion Mounting Assembly.

Table 1: Bulletin 1771 to 1756 Chassis Conversion

1771 Chassis				1756 Chassis			Conversion Mounting Assembly		
Cat. No.	Max Slots for I/O	Chassis Width ^②		Cat. No.	Max Slots for I/O	Chassis Width	Cat. No.	Max Slots for Conversion Modules	Chassis Width
		without Power Supply	with Power Supply						
1771-A1B	4	9.01	12.61	1756-A4	3	10.35	1492-MUA1B-A4-A7	4	9.01
				1756-A7	6	14.49			
1771-A2B	8	14.01	17.61	1756-A7	6	14.49	1492-MUA2B-A7-A10	8	14.01
				1756-A10	9	19.02			
1771-A3B1 ^①	12	19.01		1756-A10	9	19.02	1492-MUA3-A10-A13	12	19.01
				1756-A13	12	23.15			
1771-A4B	16	24.01		1756-A13	12	23.15	1492-MUA4-A13-A17	16	24.01
				1756-A17	16	29.06			

Foot Notes:

- ① 1771-A3B is not listed as it is used for 19 inch wide instrumentation panels.
- ② Notice that the 1756 Chassis Width sometimes exceeds the 1771 Chassis Width, with or without the Power Supply. The Cover-Plate of the 1492 Conversion Mounting Assembly allows the 1756 Chassis to be Left justified, Right justified or Centered. A complete System Installation Manual ships with the 1492 Conversion Mounting Assembly.

III. Compatibility**Table 2: Bulletin 1771 to 1756 Conversion Modules and Cables**

1771 Digital I/O Module①	1756 Digital I/O Module①	1492 Conversion Module	1492 Cable
1771-ID (Qty 2)②	1756-IA16I	1492-CM1771-LD012 (Qty 2)	1492-C005005XL③
1771-ID01 (Qty 2)②	1756-IM16I	1492-CM1771-LD012 (Qty 2)	1492-C005005XL③
1771-OD (Qty 2)②	1756-OA16I	1492-CM1771-LD012 (Qty 2)	1492-C005005XM③
1771-ODZ (Qty 2)②	1756-OA16I	1492-CM1771-LD012 (Qty 2)	1492-C005005XP③
1771-OR (Qty 2)②	1756-OA16I	1492-CM1771-LD012 (Qty 2)	1492-C005005XR③
1771-OW	1756-OX8I	1492-CM1771-LD012	1492-CONCAB005Y③
1771-OY	1756-OX8I	1492-CM1771-LD012	1492-CONCAB005Y③
1771-OYL	1756-OX8I	1492-CM1771-LD012	1492-CONCAB005Y③
1771-OZ	1756-OX8I	1492-CM1771-LD012	1492-CONCAB005Y③
1771-OZL	1756-OX8I	1492-CM1771-LD012	1492-CONCAB005Y③

Foot Notes:

- ① To understand any issues concerning I/O module compatibility, refer to the Installation Manuals for the specific 1771 and 1756 I/O modules involved.
- ② One conversion module required for each of the two 1771 modules.
- ③ The 3 numbers indicate the cable length of the 1492 Cable. Recommended cable length of 0.5M is shown. Additional cable lengths are as follows:
1.0M = 1492-CONCAB010Y
- ④ The 6 numbers indicate the cable length of each portion of the 1492 Cable. Recommended cable lengths of 0.5M / 0.5M are shown. Additional cable lengths are as follows:
1.0M / 1.0M = 1492-C010010XL or 1492-C010010XM or 1492-C010010XP or 1492-C010010XR
0.5M / 1.0M = 1492-C005010XL or 1492-C005010XM or 1492-C005010XP or 1492-C005010XR
1.0M / 0.5M = 1492-C010005XL or 1492-C010005XM or 1492-C010005XP or 1492-C010005XR

IV. Conversion Module Specifications

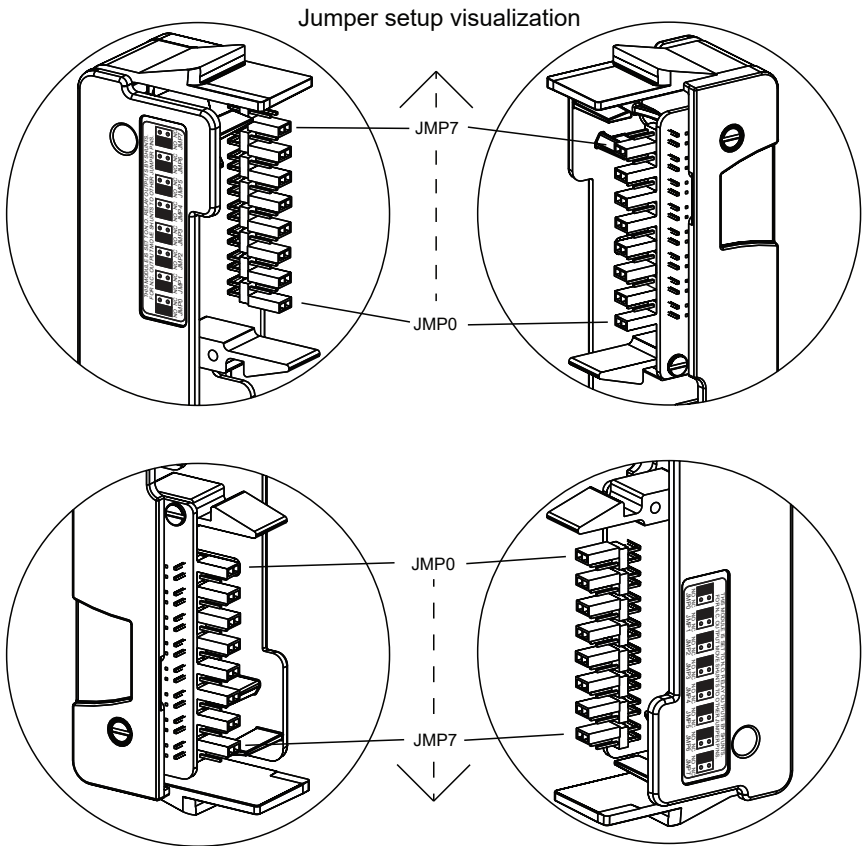
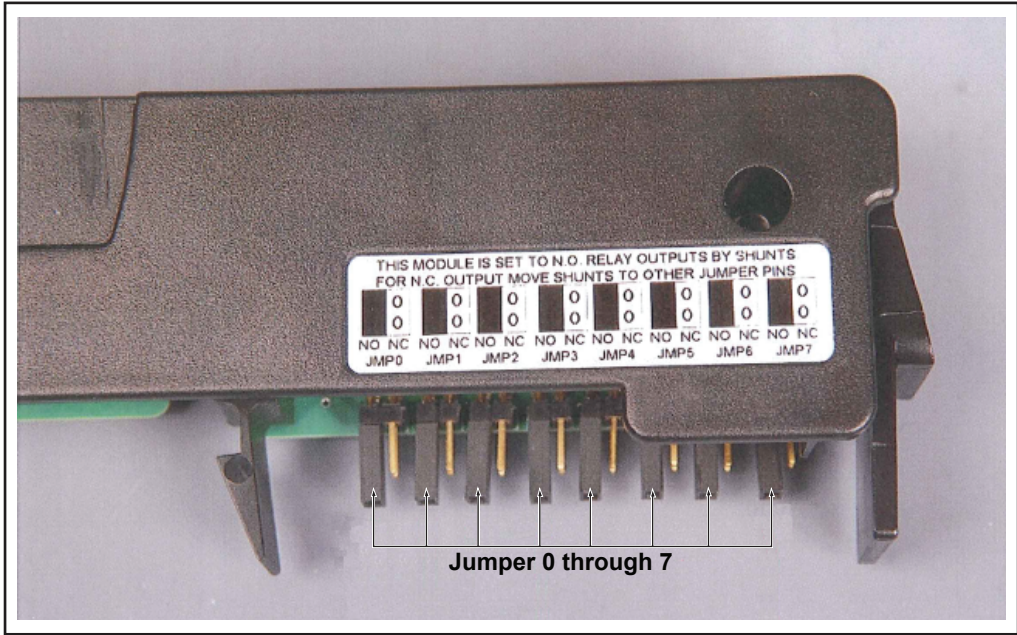
(Operating specifications are when installed in the Conversion System base / cover-plate assembly)

Specification	Value
Dimensions	11.81 in. (height) x 4.38 in. (depth) x 1.5 in. (width) 300 mm. (height) x 111.25 mm (depth) x 38.1 mm (width)
Approximate Shipping Weight	242.9 g (0.53 lbs) (includes carton)
Storage Temperature	-40 to +85°C (-40 to +185°F)
Operating Temperature	0 to 60°C (32 to 140°F)
Operating Humidity	5 to 95% at 60°C (non-condensing)
Shock	
Non operating	50g
Operating	30g
Operating Vibration	2g at 10 to 500Hz (Agrees with 1756 I/O module specifications)
Maximum Operating Voltage	132 Vac at 47 to 63Hz or 132 Vdc
Max. Module Operating Current	
Per Point:	2 Amps
Per Module:	12 Amps
	NOTICE Refer to the Wiring Diagram(s) for current limits for a specific configuration.
Agency Certifications	UL Classified: Under UL File Number E113724 CSA CE: compliant for all applicable directives
Pollution Degree	2
Environmental Rating	IP20

V. Jumper Selection for N.O. or N.C. Relay Contact

The following is a photograph of the normally open (N.O.) or normally closed (N.C.) relay output selection label on the 1492-CM1771-LD012 conversion module.

The 1771-OW relay output module allowed selection of a normally open (N.O.) or normally closed (N.C.) relay contact output by using a jumper. The 1756-OX8I also provides either N.O. or N.C. relay output selection but by field wire termination. The 1492-CONCAB@Y is wired to the 1756-OX8I to allow use of either N.O. or N.C. contacts. To select the N.O. or N.C. relay output type consistent with the initial 1771 configuration simply move the jumper on the conversion module to the appropriate position, as defined by the selection label. Each output is individually configurable. The default configuration is the N.O. type.



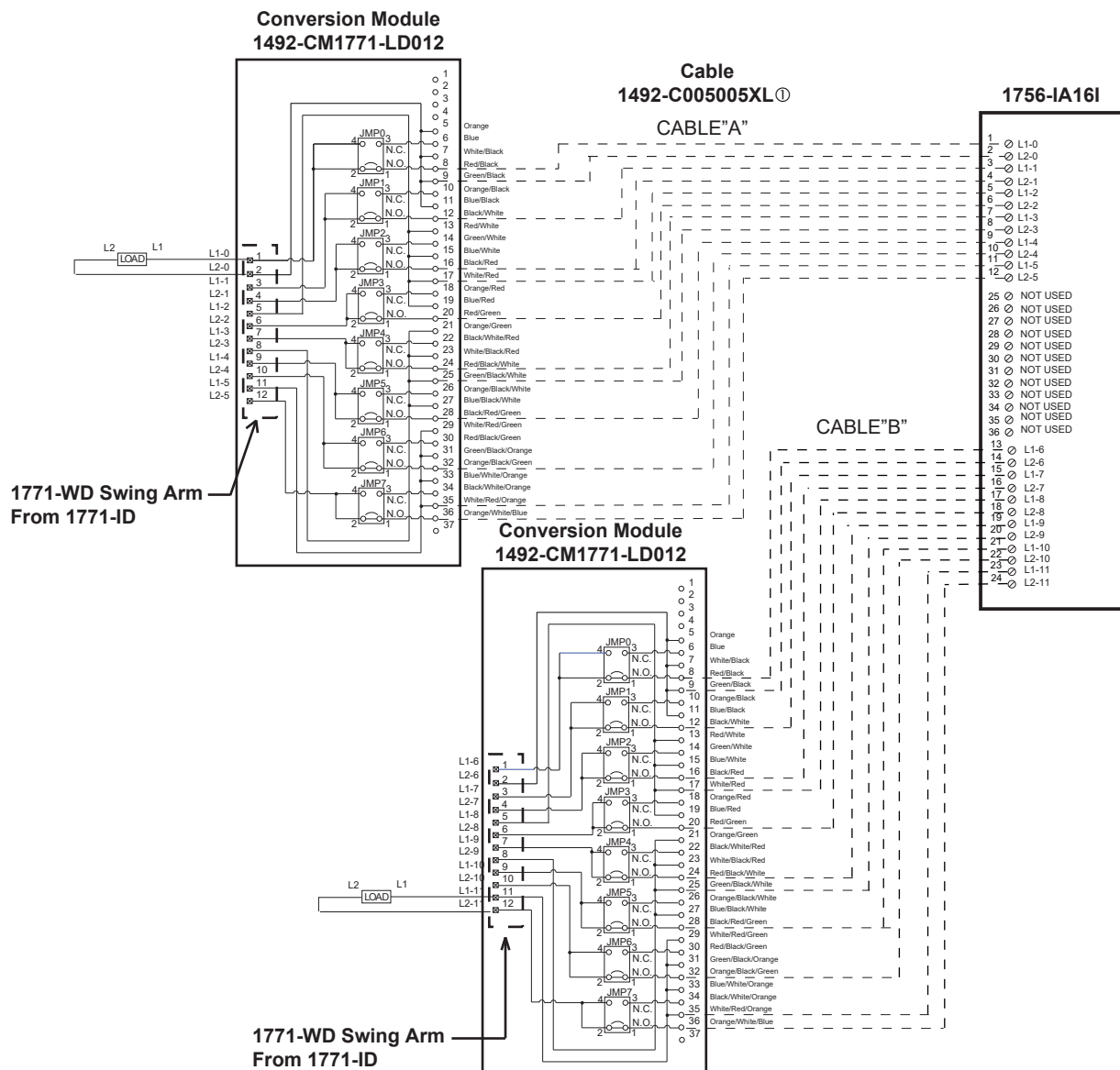
VI. Wiring Diagrams

Conversion: 1771-ID (2) to 1756-IA16I (1)



NOTICE

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.



Conversion Module Installation and Application Considerations

① This Bul. 1492 cable consists of a cable wired to one 1756-IA16I RTB. Recommended cable lengths of 0.5M or 1.0M (005=0.5M, 010=1.0M). See table 2 for other lengths.

② The input delay times for the 1771-ID module versus the 1756-IA16I module are as follows:

	1771-ID	1756-IA16I w/ 1492-C005005XL
a) Off-to-On Delay	24ms (+/-10ms)	10ms max (plus selectable filter)
b) On-to-Off Delay	24ms (+/-10ms)	8ms max (plus selectable filter)

③ The 1771-ID module had a jumper selection of N.O. and N.C. outputs. The 1756-IA16I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-ID jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

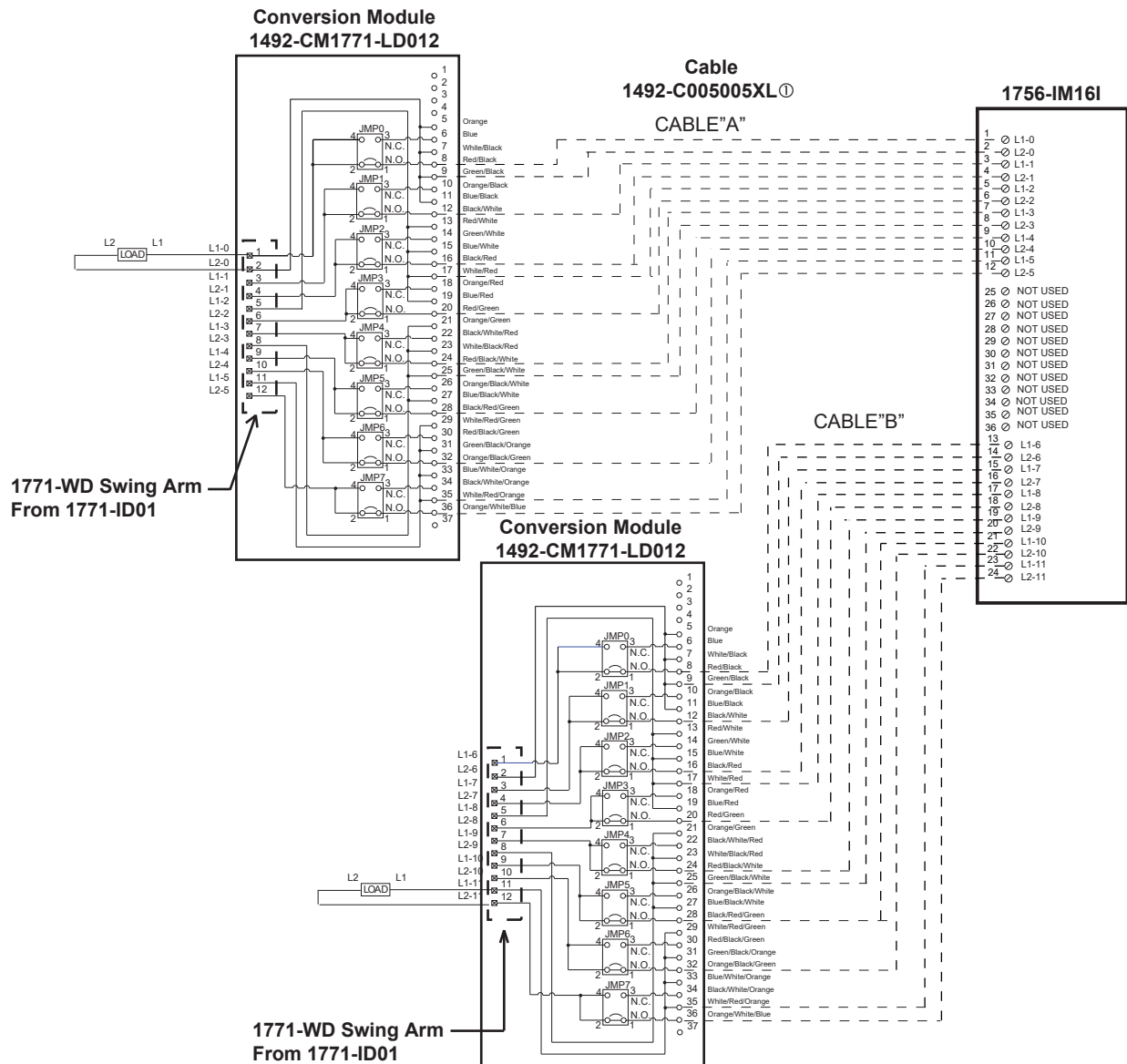
④ Refer to your 1771-ID and 1756-IA16I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41170-993 (Version 00)]

VI. Wiring Diagrams (Cont'd)

Conversion: 1771-ID01 (2) to 1756-IM16I (1)

**NOTICE**

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.

**Conversion Module Installation and Application Considerations**

① This Bul. 1492 cable consists of 2 separate cables (cable "A" and cable "B") wired to one 1756-IM16I RTB. Each cable can be either 0.5M or 1.0M (005=0.5M, 010=1.0M). Ensure that cable A and cable B are connected to the correct module in the conversion

② The input delay times for the 1771-IM module versus the 1756-IM16I module are as follows:

	1771-ID01	1756-IM16I w/ 1492-C005005XL
a) Off-to-On Delay	20ms (+/-10ms)	10ms max (plus selectable filter)
b) On-to-Off Delay	20ms (+/-10ms)	8ms max (plus selectable filter)

③ The 1771-ID01 module had a jumper selection of N.O. and N.C. outputs. The 1756-IM16I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-ID01 jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

④ Refer to your 1771-ID01 and 1756-IM16I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded. [Reference Doc: 41171-015 (Version 00)]

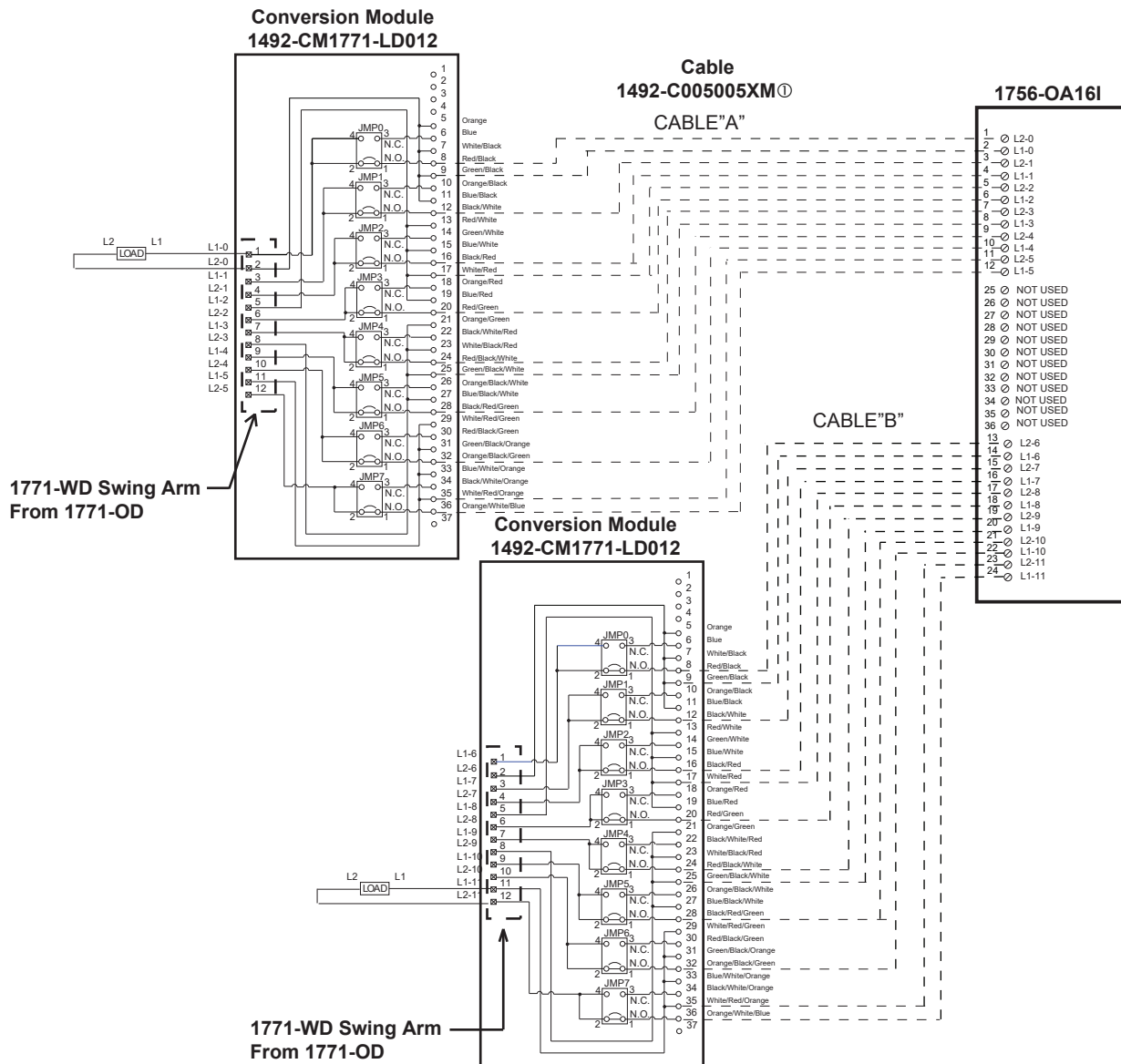
VI. Wiring Diagrams (Cont'd)

Conversion: 1771-OD (2) to 1756-OA16I (1)



NOTICE

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.



Conversion Module Installation and Application Considerations

① This Bul. 1492 cable consists of 2 separate cables (cable "A" and cable "B") wired to one 1756-OA16I RTB. Each cable can be either 0.5M or 1.0M (005=0.5M, 010=1.0M). Ensure that cable A and cable B are connected to the correct module in the conversion

② The 1771-OD module output resistive current limits versus 1756-OA16I limits are as follows:

	1771-OD	1756-OA16I w/ 1492-C005005XM
a) Current/Point	2A	2A
b) Current/Module	6A	5A
c) Surge Current/Point	20A for 100ms	20A for 43ms

③ The 1771-OD module had a jumper selection of N.O. and N.C. outputs. The 1756-OA16I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-OD jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

④ Refer to your 1771-OD and 1756-OA16I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41170-994 (Version 00)]

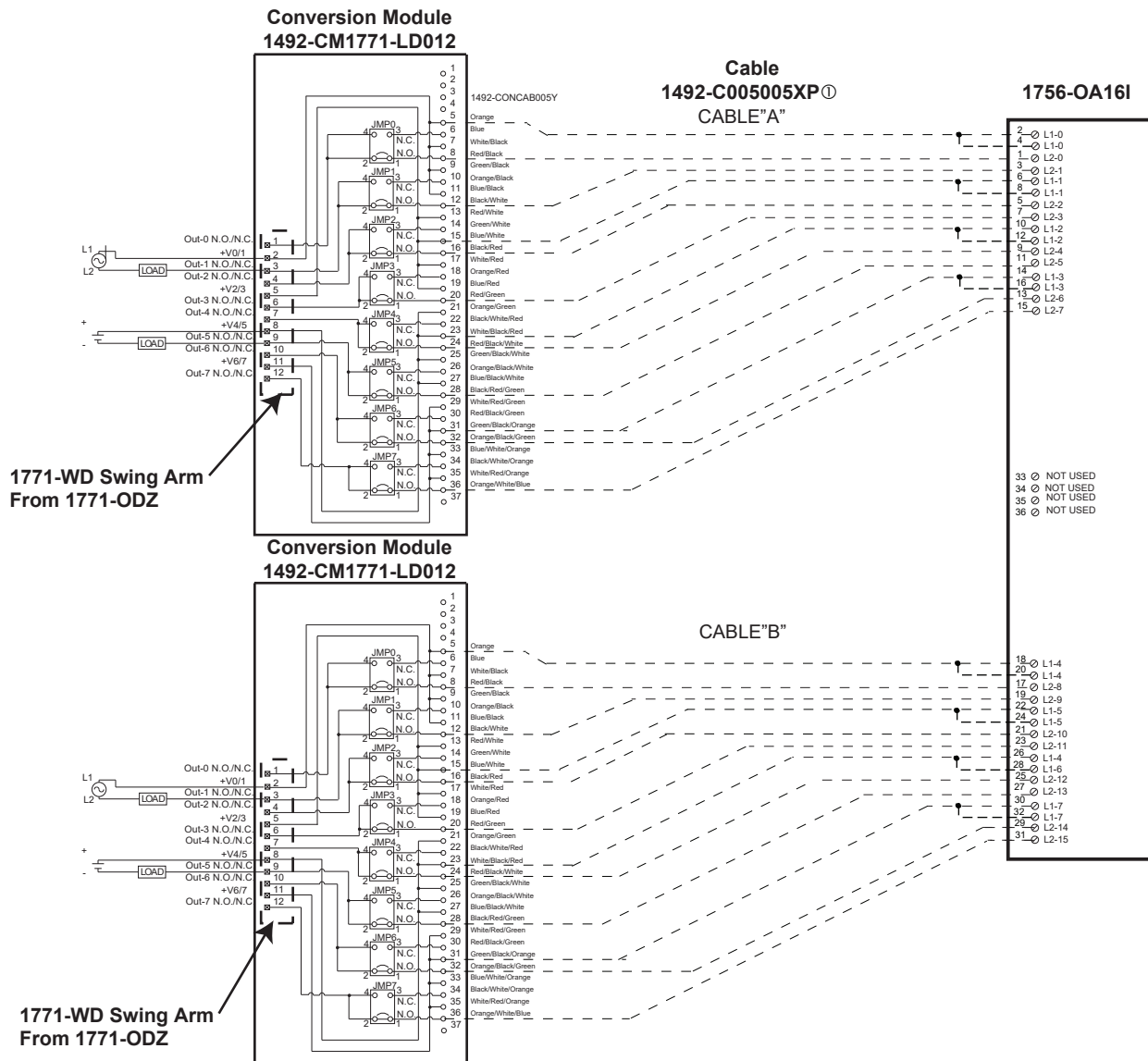
VI. Wiring Diagrams (Cont'd)

Conversion: 1771-ODZ (2) to 1756-OA16I (1)



NOTICE

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.



Conversion Module Installation and Application Considerations

① This Bul. 1492 cable consists of 2 separate cables (cable "A" and cable "B") wired to one 1756-OA16I RTB. Each cable can be either 0.5M or 1.0M (005=0.5M, 010=1.0M). Ensure that cable A and cable B are connected to the correct module in the conversion

② The 1771-ODZ module output resistive current limits versus 1756-OA16I limits are as follows:

	1771-ODZ	1756-OA16I w/ 1492-C005005XP
a) Current/Point	2A	2A
b) Current/Module	6A	5A @ 60°C
c) Surge Current/Point	20A for 100ms	20A for 43ms

③ The 1771-ODZ module had a jumper selection of N.O. and N.C. outputs. The 1756-OA16I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-ODZ jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

④ Refer to your 1771-ODZ and 1756-OA16I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41171-016 (Version 00)]

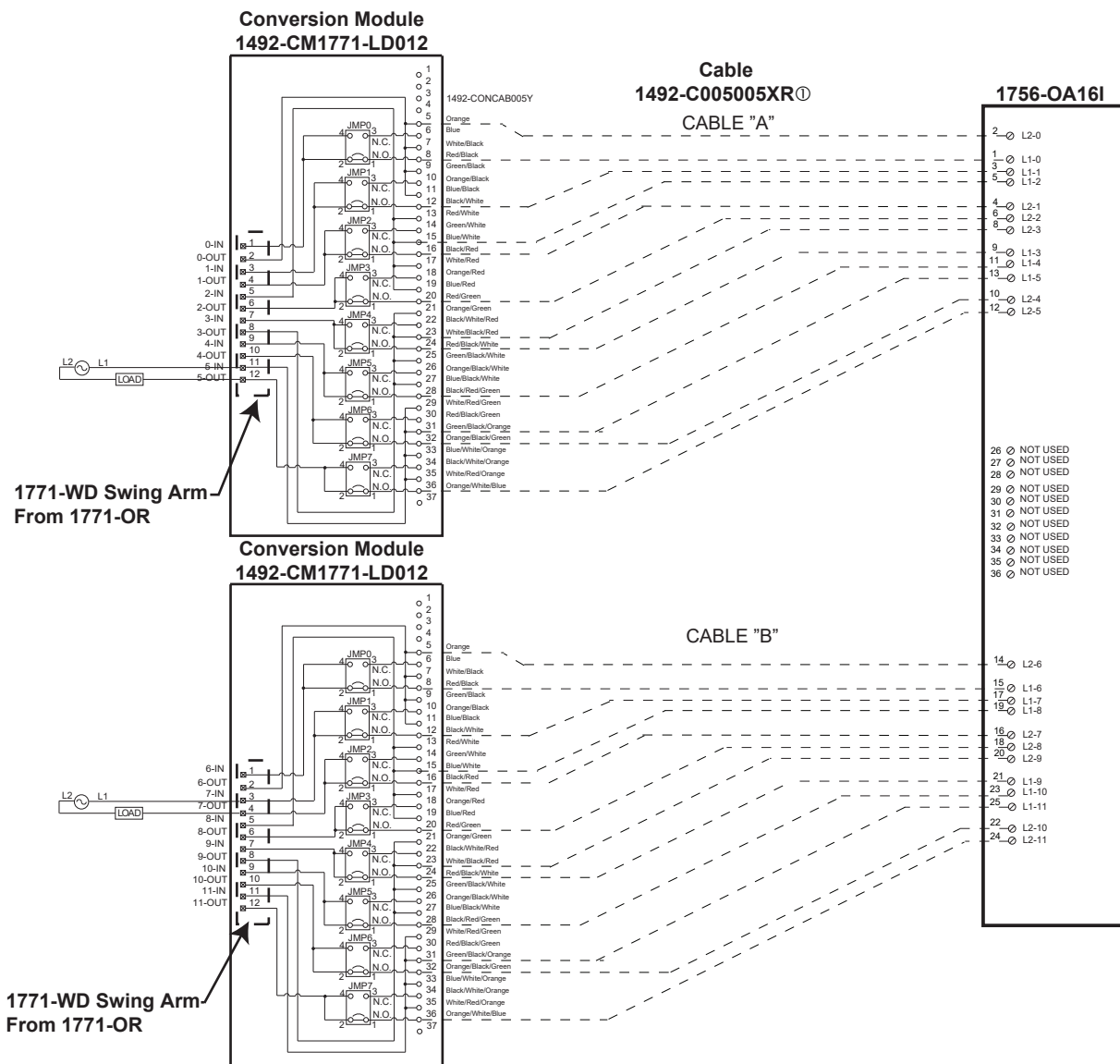
VI. Wiring Diagrams (Cont'd)

Conversion: 1771-OR (2) to 1756-OA16I (1)



NOTICE

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.



Conversion Module Installation and Application Considerations

① This Bul. 1492 cable consists of 2 separate cables (cable "A" and cable "B") wired to one 1756-OA16I RTB. Each cable can be either 0.5M or 1.0M (005=0.5M, 010=1.0M). Ensure that cable A and cable B are connected to the correct module in the conversion

② The 1771-OR module output resistive current limits versus 1756-OA16I limits are as follows:

	1771-OR	1756-OA16I w/ 1492-C005005XR
a) Current/Point	2A	2A
b) Current/Module	6A	5A @ 60°C
c) Surge Current/Point	15A for 100ms	20A for 43ms

③ The 1771-OR module had a jumper selection of N.O. and N.C. outputs. The 1756-OA16I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-OR jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

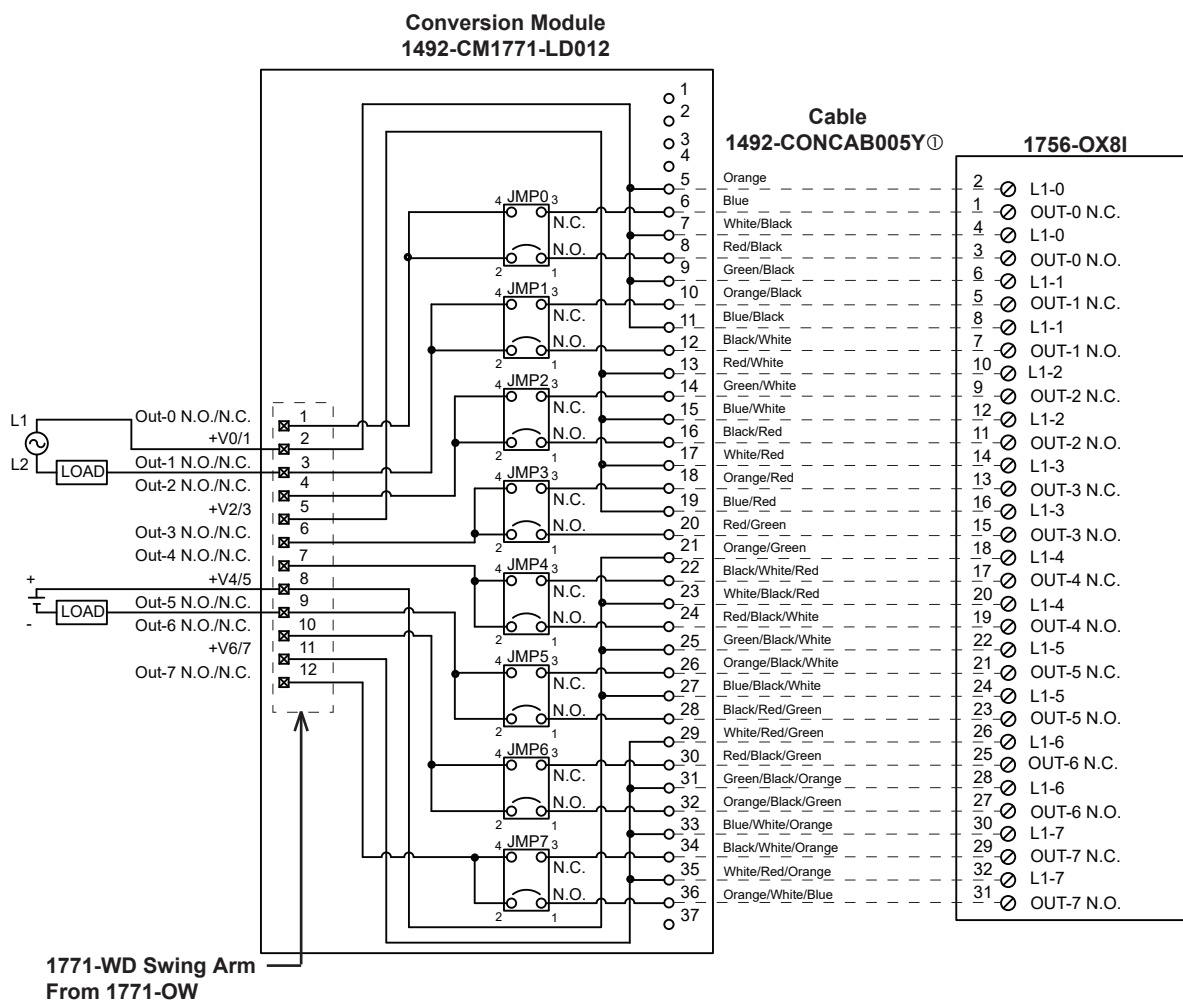
④ Refer to your 1771-OR and 1756-OA16I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41171-017 (Version 00)]

VI. Wiring Diagrams (Cont'd)

Conversion: 1771-OW to 1756-OX8I

**NOTICE**

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.

**Conversion Module Installation and Application Considerations**

① This Bul. 1492 cable consists of a cable wired to one 1756-OX8I RTB. Recommended cable lengths of 0.5M or 1.0M (005=0.5M), 010=1.0M). See table 2 for other lengths.

② The 1771-OW module output resistive current limits versus 1756-OX8I limits are as follows:
(NOTE: For switching and inductive current ratings, refer to the modules Installation Instructions)

	1771-OW	1756-OX8I w/ 1492-CONCAB005Y
a) Current/Point		
	0.2A @ 138V AC	2A @ 240V AC
	1A @ 30V DC	2A @ 30V DC
	0.25A @ 125V DC	0.25A @ 125V DC

③ The 1771-OW module had a jumper selection of N.O. and N.C. outputs. The 1756-OX8I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-OW jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

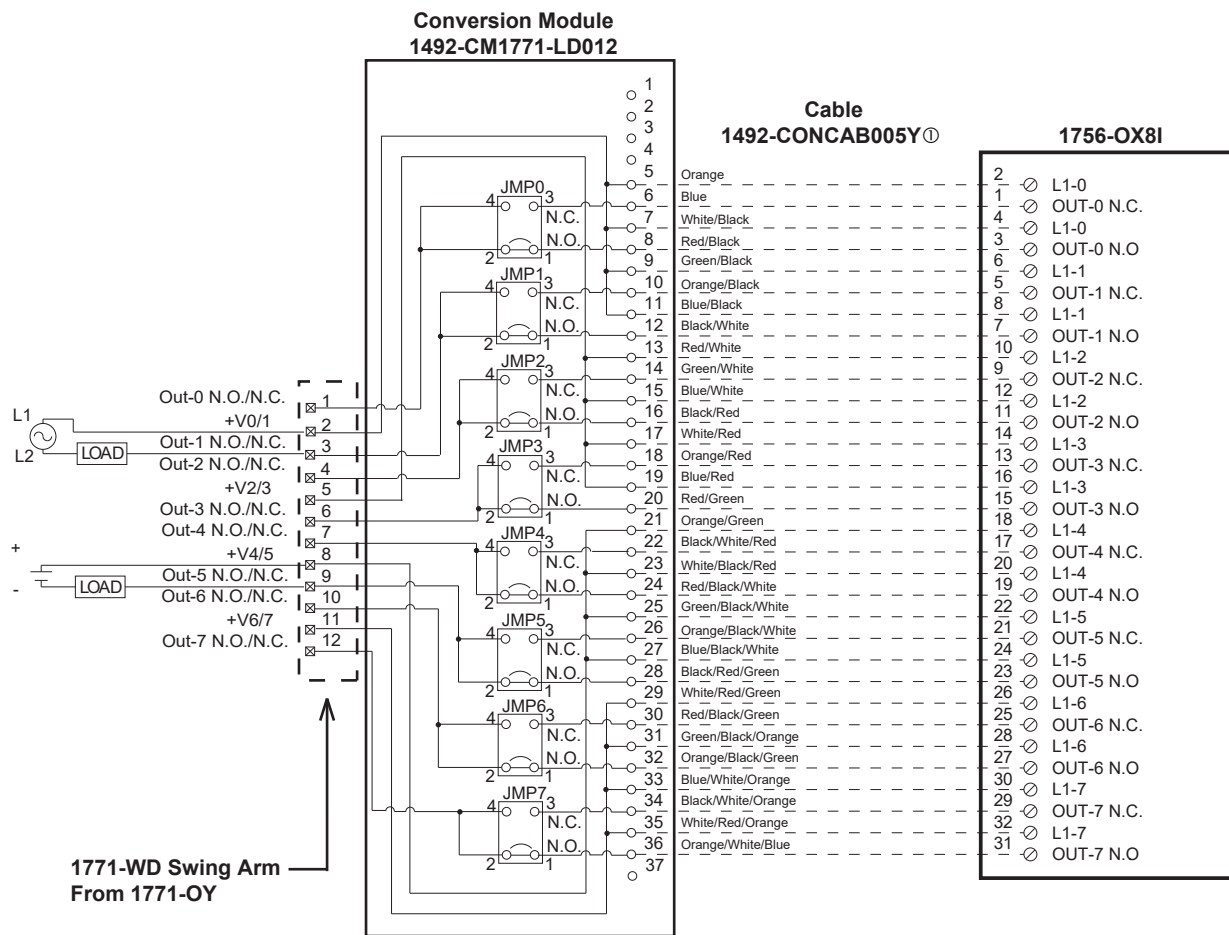
④ Refer to your 1771-OW and 1756-OX8I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41170-941 (Version 01)]

VI. Wiring Diagrams (Cont'd)

Conversion: 1771-OY to 1756-OX8I

**NOTICE**

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.

**Conversion Module Installation and Application Considerations**

① This Bul. 1492 cable consists of a cable wired to one 1756-OX8I RTB. Recommended cable lengths of 0.5M or 1.0M (005=0.5M), 010=1.0M). See table 2 for other lengths.

② The 1771-OY module output resistive current limits versus 1756-OX8I limits are as follows:
(NOTE: For switching and inductive current ratings, refer to the modules Installation Instructions)

	1771-OY	1756-OX8I w/ 1492-CONCAB005Y
a) Current/Point	100mA @ 138V AC	2A @ 240V AC
	100mA @ 125V DC	2A @ 30V DC
		0.25A @ 125V DC

③ The 1771-OY module had a jumper selection of N.O. and N.C. outputs. The 1756-OX8I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-OY jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

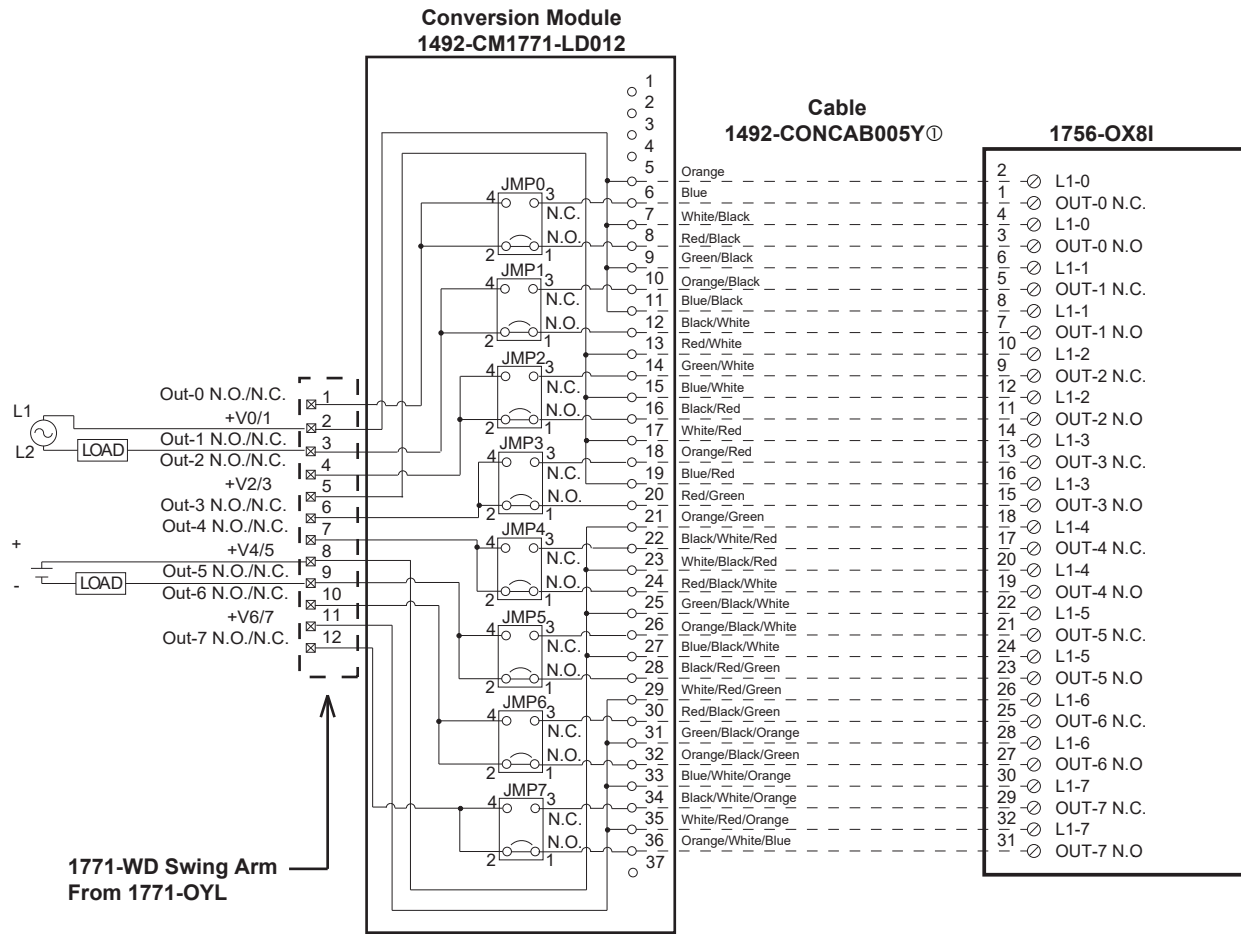
④ Refer to your 1771-OY and 1756-OX8I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41171-011 (Version 00)]

VI. Wiring Diagrams (Cont'd)

Conversion: 1771-OYL to 1756-OX8I

**NOTICE**

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.

**Conversion Module Installation and Application Considerations**

① This Bul. 1492 cable consists of a cable wired to one 1756-OX8I RTB. Recommended cable lengths of 0.5M or 1.0M (005=0.5M), 010=1.0M). See table 2 for other lengths.

② The 1771-OYL module output resistive current limits versus 1756-OX8I limits are as follows:
(NOTE: For switching and inductive current ratings, refer to the modules Installation Instructions)

	1771-OYL	1756-OX8I w/ 1492-CONCAB005Y
a) Current/Point	100mA @ 24V AC	2A @ 240V AC
	100mA @ 24V DC	2A @ 30V DC
		0.25A @ 125V DC

③ The 1771-OYL module had a jumper selection of N.O. and N.C. outputs. The 1756-OX8I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-OYL jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

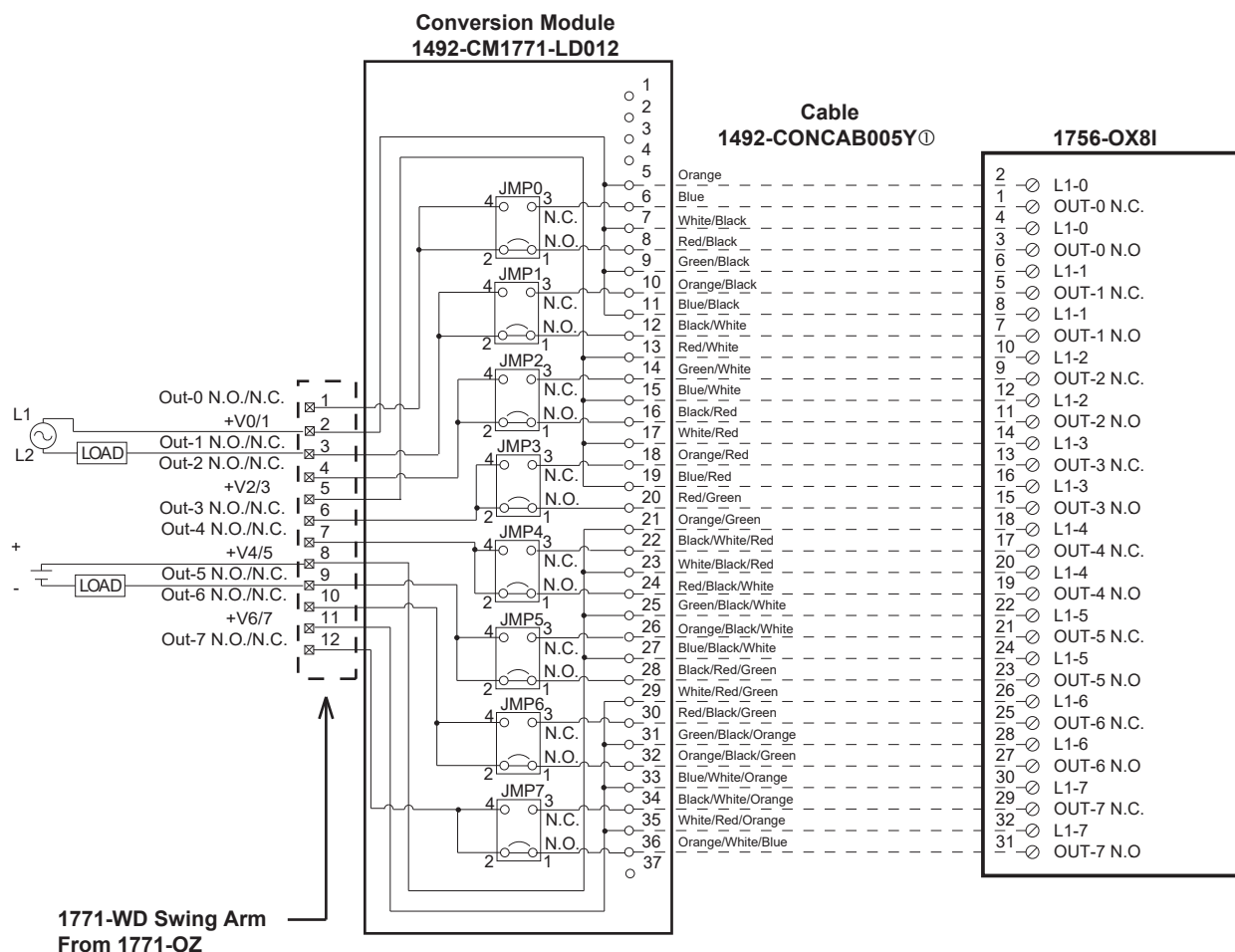
④ Refer to your 1771-OYL and 1756-OX8I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41171-012 (Version 00)]

VI. Wiring Diagrams (Cont'd)

Conversion: 1771-OZ to 1756-OX8I

**NOTICE**

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.

**Conversion Module Installation and Application Considerations**

① This Bul. 1492 cable consists of a cable wired to one 1756-OX8I RTB. Recommended cable lengths of 0.5M or 1.0M (005=0.5M), 010=1.0M). See table 2 for other lengths.

② The 1771-OZ module output resistive current limits versus 1756-OX8I limits are as follows:
(NOTE: For switching and inductive current ratings, refer to the modules Installation Instructions)

	1771-OZ	1756-OX8I w/ 1492-CONCAB005Y
a) Current/Point	100mA @ 138V AC	2A @ 240V AC
	100mA @ 138V DC	2A @ 30V DC
		0.25A @ 125V DC

③ The 1771-OZ module had a jumper selection of N.O. and N.C. outputs. The 1756-OX8I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-OZ jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

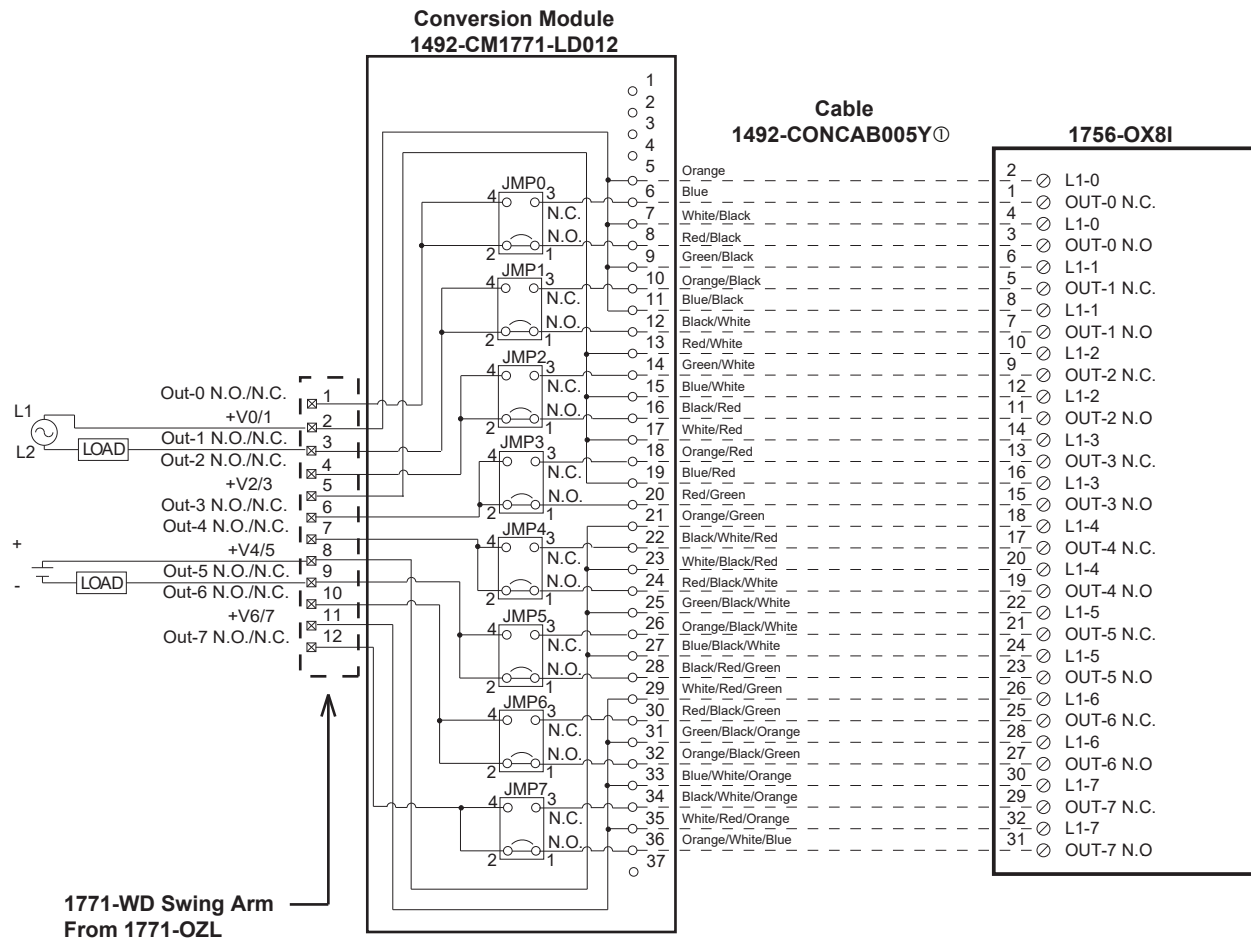
④ Refer to your 1771-OZ and 1756-OX8I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41171-013 (Version 00)]

VI. Wiring Diagrams (Cont'd)

Conversion: 1771-OZL to 1756-OX8I

**NOTICE**

There are several key application considerations and system specifications (bottom of drawing) when using these components (conversion module, cable and input module). Read and understand these considerations before installation.

**Conversion Module Installation and Application Considerations**

① This Bul. 1492 cable consists of a cable wired to one 1756-OX8I RTB. Recommended cable lengths of 0.5M or 1.0M (005=0.5M), 010=1.0M). See table 2 for other lengths.

② The 1771-OZL module output resistive current limits versus 1756-OX8I limits are as follows:
(NOTE: For switching and inductive current ratings, refer to the modules Installation Instructions)

	1771-OZL	1756-OX8I w/ 1492-CONCAB005Y
a) Current/Point	100mA @ 138V AC	2A @ 240V AC
	100mA @ 138V DC	2A @ 30V DC
		0.25A @ 125V DC

③ The 1771-OZL module had a jumper selection of N.O. and N.C. outputs. The 1756-OX8I has both N.O. and N.C. outputs, but selection is by wiring termination on the 1756 swing arm. The 1492-CM1771-LD012 conversion module replaces the functionality of the 1771-OZL jumpers with eight jumpers (JMP0 through JMP7). In the default position, the output will be N.O. If a N.C. output is required, change the jumper from pins 1-2 to pins 3-4.

④ Refer to your 1771-OZL and 1756-OX8I Installation Manual wiring schematics and diagrams for more details. Ensure 1756 output module ratings are not exceeded.
[Reference Doc: 41171-014 (Version 00)]