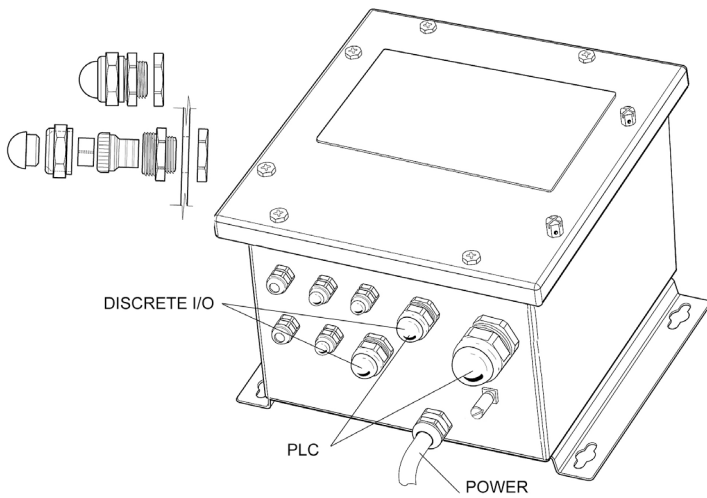
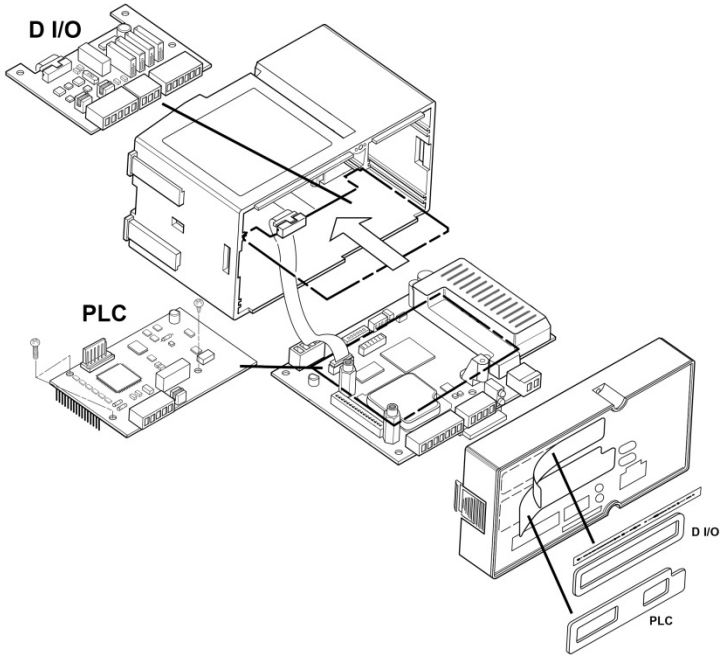
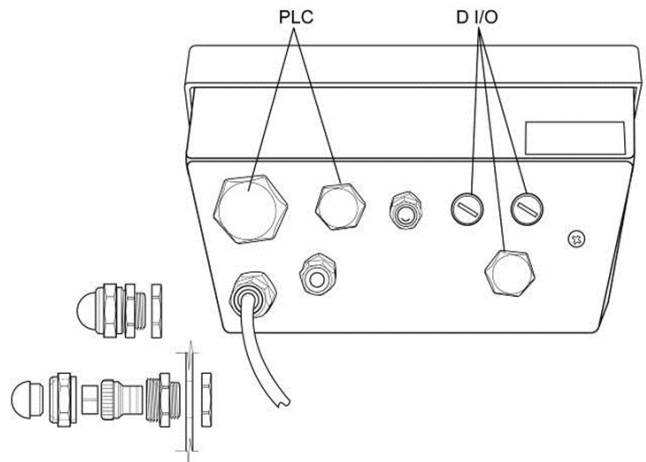
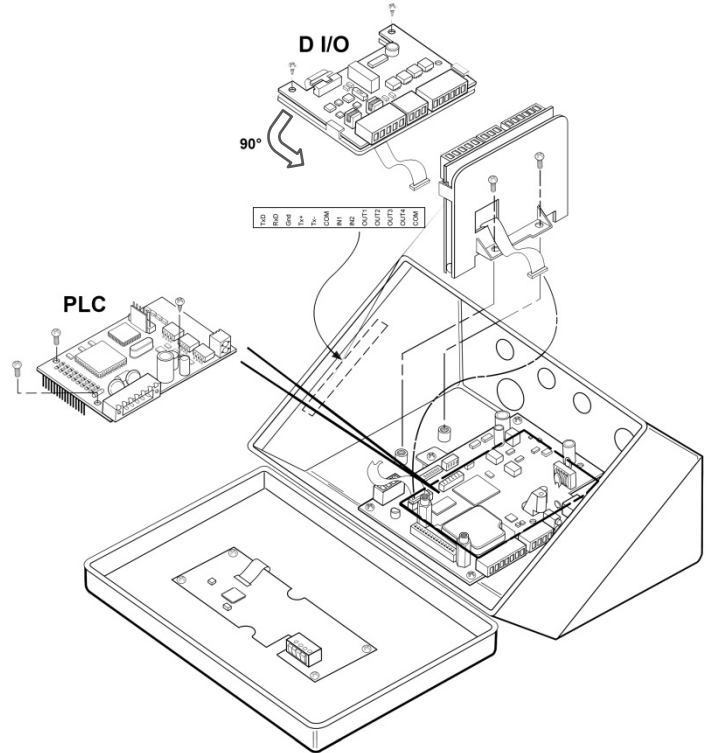


DIN, J-Box, Panel




Harsh



64067810

IND131 and IND331 Accessory Kit Component Summary

Item	Kit name Kit number	Allen-Bradley Remote I/O*	Analog Output	CC-Link	ControlNet (24 VDC version)	DeviceNet	Ethernet/IP Modbus TCP	PROFIBUS DP	COM2/DIO Relay (DIN/Panel)	COM2/DIO Relay (Harsh/J-box)	COM2/DIO Solid State (All models)
		71209098	72225754	30059622	64057423	72193580	64058677	72235362	72225757	72225753	72225752
PCB with connectors		1	1	1	1	1	1	1	1	1	1
Mounting Bracket		0	0	0	0	0	0	0	0	1	1
Harness		0	0	0	0	0	0	0	1	1	2/1
Ferrite core		3/2	0	0	0	3/2	0	0	0	0	0
Ferrite clamp-on		0	0	0	1	0	1	0	0	0	0
Small grommet for 16mm gland		2/0	1	0	0	2/0	0	0	2	2	2
Medium grommet for 16mm gland		2/0	1	0	0	2/0	1	0	2	2	2
Large grommet for 25mm gland (1 hole)		1	0	0	1	0	1	0	0	0	0
Large grommet for 25mm gland (2 holes)		0	0	0	1	0	1	0	0	0	0
Med. Hole grommet for 25 mm gland		1	0	0	0	0	0	0	0	0	0
Large hole grommet for 25mm gland		0	0	1	0	1	0	1	0	0	0
Screw (M4 x 8)		0	0	0	0	0	0	0	0	2	2
Screw (M3 x 8)		3/2	2	2	3/2	3/2	3/2	2	0	0	0
Screw (Sheet metal)		1	1	1	1	1	1	1	0	2	2
12mm gland with cap		0	0	0	0	0	0	0	0	2	2
16mm gland with cap		2/1	1	1	0	2/1	1	1	0	1	1
25mm gland with cap		1	0	1	1	1	1	1	0	0	0
Option cover plate		2/1	1	1	1	2/1	2/1	1	1	1	1
Identification Label		0	0	0	0	0	1	0	0	0	0
Signal Name Label		0	0	0	0	0	0	0	1	1	1

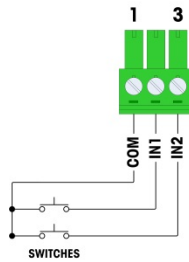
x/y: x = quantity in kit, y = quantity used

* The AB-RIO interface was discontinued in January, 2021. The information provided here is for legacy installations only.

IND131 and IND331 Accessory Terminations

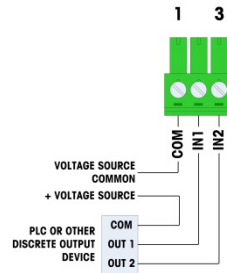
COM2/DIO - Active Inputs

- Voltage is logic level 5 VDC. Low resistance contacts recommended. Maximum cable length: 20 feet (6 m).
- Do not bundle input wiring with power wiring or any other high energy cables.
- Switches may be replaced with relay dry contacts.
- Wire size:
18 AWG (0.8 mm²) max.
24 AWG (0.2 mm²) min.



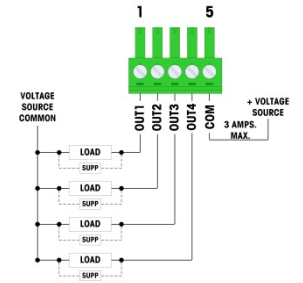
COM2/DIO - Passive Inputs

- Voltage: 5-30 VDC, 10mA maximum current. Voltage polarity may not be reversed.
- Do not bundle input wiring with power wiring or any other high energy cables.
- Wire size:
18 AWG (0.8 mm²) max.
24 AWG (0.2 mm²) min.



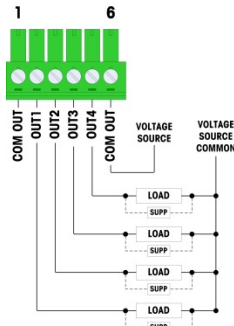
COM2/DIO - Discrete Outputs (Relay)

- Dry contact relays.
- Relay contact rating:
AC: 24-280 VAC, 1.0 AMP into resistive load.
DC: 5-24 VDC, 1.0 AMP into resistive load.
Maximum switching power: 250VA, 30 W.
- Maximum output current = 3 AMPS.
- All inductive loads must be suppressed.
- Wire size:
18 AWG (0.8 mm²) max.
24 AWG (0.2 mm²) min.



COM2/DIO - Discrete Outputs (Solid State)

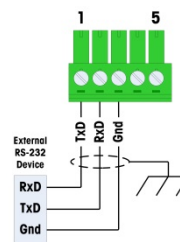
- Solid state MOS FET relays.
- Solid state output rating:
AC: max. 30 VAC, 400mA into resistive load
DC: Max. 30 VDC, 400mA into resistive load.
- All inductive loads must be suppressed.
- Wire size:
18 AWG (0.8mm²) max.
24 AWG (0.2mm²) min.



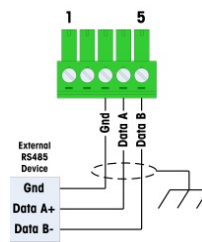
COM2/DIO - COM2 Serial Port

- Use only shielded cable.
- Maximum cable length:
RS-232: 50ft/15m
RS485: 1000ft/300m
- Wire size:
18 AWG (0.8mm²) max.
24 AWG (0.2mm²) min.

RS-232



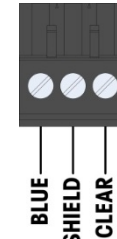
RS-485



PLC Interface Modules

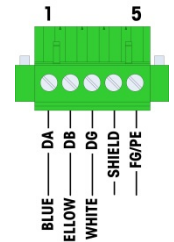
Allen-Bradley RIO (discontinued, January 2021)

- Connection with twin axial cable (Blue Hose) shown.
- Refer to Allen-Bradley Remote I/O documentation for termination resistance and other considerations
- Wire size:
14 AWG (2.1 mm²) max.
22 AWG (0.3mm²) min.



CC-Link

- Use CC-Link approved and compliance-tested cable (shielded, 3-core, twisted pair).
- Cable length per CC-Link Installation Guide, available from CC-Link Partner Association.
- Wire size:
14 AWG (2.1 mm²) max.
22 AWG (0.3mm²) min.



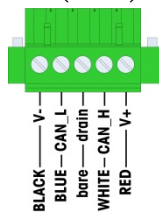
PLC Interface Modules

ControlNet

-
- ControlNet connectivity is provided through two BNC coaxial connectors (channels A and B).
 - The ControlNet board also includes an RJ45 network access port, for configuration and diagnostics. It is not an Ethernet network interface.

DeviceNet

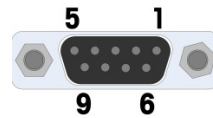
- Connection with 2 twisted-pair shielded cables, per ODVA specifications.
- Refer to ODVA DeviceNet documentation for other considerations.
- Wire sizes:
14 AWG (2.1 mm²) max.
22 AWG (0.3mm²) min.



PROFIBUS DP

Pin Signal

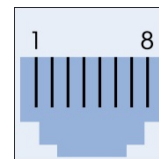
- Not used
- Not used
- RXD/TXD+
- RTS
- GND Bus
- +5V Bus
- Not used
- RxD/TxD-
- Not used



- Use mating connectors and cable recommended for PROFIBUS connections.
- Refer to PROFIBUS International documentation for other considerations.

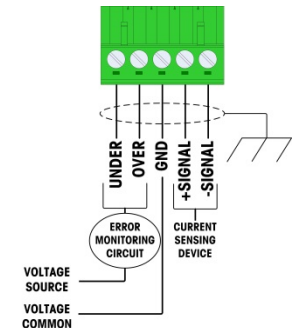
EtherNet/IP and Modbus TCP

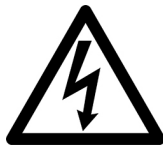
- Connectivity is provided by an Ethernet cable connected to the module's RJ45 port.
- DIP switches must all be set to OFF.








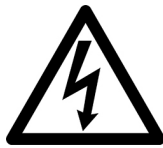
Analog Output




- Error outputs must be monitored to determine when weight signal is valid.
- Error signals are open collector, current sinking outputs.
- Voltage: 5-30 vdc, 200 ma maximum current.
- Use two-conductor shielded cable for signal lines.
- Minimum resistance of device load is 500 ohms.
- Wire size:
14 AWG (2.1 mm²) max.
22 AWG (0.3 mm²) min.

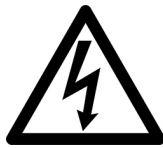









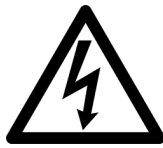
 WARNING	 ATTENTION	 ACHTUNG	 AVVERTENZA	 ADVERTENCIA
ONLY PERMIT QUALIFIED PERSONNEL TO SERVICE THIS EQUIPMENT. EXERCISE CARE WHEN MAKING CHECKS, TESTS AND ADJUSTMENTS THAT MUST BE MADE WITH POWER ON. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM.	AUTORISEZ SEULEMENT LE PERSONNEL QUALIFIÉ À ENTREtenir CET ÉQUIPEMENT. SOYEZ PRUDENT LORSQUE DES VÉRIFICATIONS, TESTS ET AJUSTEMENTS DOIVENT ÊTRE EFFECTUÉS SOUS TENSION. NE PAS OBSERVER CES PRÉCAUTIONS RISQUERAIT DE CAUSER DES BLESSURES CORPORELLES.	DIESES GERÄT DARF NUR VON QUALIFIZIERTEM PERSONAL GEWARTET WERDEN. BEI PRÜFUNGEN, TESTS UND EINSTELLUNGEN, DIE BEI EINGESCHALTETER STROMZUFUHR DURCHGEFÜHRT WERDEN MÜSSEN, VORSICHTIG VORGEHEN. DIE NICHTBEACHTUNG DIESER VORSICHTSMASSNAHMEN KANN ZU VERLETZUNGEN FÜHREN.	SOLO PERSONALE QUALIFICATO DEVE ESSERE AUTORIZZATO AD INTERVENIRE SU QUESTO APPARECCHIO. FARE ATTENZIONE QUANDO SI DEVONO ESEGUIRE CONTROLLI, PROVE E REGOLAZIONI MENTRE L'APPARECCHIO È ACCESO. LA MANCATA OSSERVANZA DI QUESTE PRECAUZIONI PUÒ CAUSARE INFORTUNI.	SÓLO PERMITA QUE PERSONAL CALIFICADO DÉ SERVICIO ESTE EQUIPO. DEBE TENERSE CUIDADO AL EFECTUAR REVISIONES, PRUEBAS Y AJUSTES QUE DEBAN EFECTUARSE CON EL EQUIPO ENCENDIDO. DE LO CONTRARIO PUEDEN PRODUCIRSE LESIONES CORPORALES.








 WARNING	 ATTENTION	 ACHTUNG	 AVVERTENZA	 ADVERTENCIA
DISCONNECT ALL POWER TO THIS UNIT BEFORE REMOVING THE FUSE OR SERVICING. TO DISCONNECT POWER, FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM AND/OR DAMAGE TO EQUIPMENT.	DÉBRANCHEZ TOUT COURANT DE CETTE UNITÉ AVANT DE FAIRE L'INSTALLATION, D'EFFECTUER L'ENTRETIEN, LE NETTOYAGE OU AVANT DE RETIRER LE FUSIBLE. NE PAS OBSERVER CES PRÉCAUTIONS RISQUERAIT DE CAUSER DES BLESSURES CORPORELLES OU/ET D'ENDOMMAGER L'ÉQUIPEMENT.	VOR DER INSTALLATION, WARTUNG UND REINIGUNG DES GERÄTS ODER DEM AUSBAU DER SICHERUNG JEDLICHE STROMZUFUHR ZUM GERÄT UNTERBRECHEN. MISSACHTUNG KANN ZU VERLETZUNGEN UND/ODER SACHSCHADEN FÜHREN.	PRIMA DI ESEGUIRE L'INSTALLAZIONE, LA MANUTENZIONE, PULIRE O ESTRARRE IL FUSIBILE, SCOLLEGARE L'APPARECCHIO DALLA PRESA DI CORRENTE. LA MANCATA OSSERVANZA DI QUESTE PRECAUZIONI PUÒ CAUSARE INFORTUNI E/O DANNI ALLE COSE.	DESCONECTE TODO EL SUMINISTRO ELÉCTRICO DE ESTA UNIDAD ANTES DE INSTALARLA, DARLE SERVICIO, LIMPIARLA O CAMBIARLE UN FUSIBLE. DE LO CONTRARIO PODRÍAN PRODUCIRSE LESIONES CORPORALES O DAÑOS FÍSICOS.



 WARNING	 ATTENTION	 ACHTUNG	 AVVERTENZA	 PRECAUCIÓN
FOR CONTINUED PROTECTION AGAINST SHOCK HAZARD, CONNECT TO PROPERLY GROUNDED OUTLET ONLY. DO NOT REMOVE THE GROUND PRONG.	POUR ASSURER UNE PROTECTION CONTINUE CONTRE UNE DÉCHARGE ÉLECTRIQUE, BRANCHEZ UNIQUEMENT SUR UNE PRISE CORRECTEMENT RELIÉE À LA TERRE. NE RETIREZ PAS LA FICHE DE TERRE.	FÜR KONTINUIERLICHEN SCHUTZ GEGEN ELEKTROSCHOCK NUR AN EINE ORDNUNGSGEMÄSS GEERDETE STECKDOSE ANSCHLIESSEN. DEN ERDUNGSSTIFT NICHT ENTFERNEN.	PER UNA PROTEZIONE CONTINUA CONTRO IL RISCHIO DI SCOSSE, COLLEGARE L'APPARECCHIO SOLO A UNA PRESA CON COLLEGAMENTO DI TERRA. NON TOGLIERE LO SPINOTTO PER LA MESSA A TERRA.	PARA CONTAR CON PROTECCIÓN CONTINUA CONTRA UN PELIGRO DE DESCARGA ELÉCTRICA, CONECTE EL EQUIPO SÓLO EN TOMAS DE CORRIENTE CON LA DEBIDA CONEXIÓN A TIERRA. NO DESPRENDA EL CONTACTO DE TIERRA.



 WARNING	 ATTENTION	 ACHTUNG	 AVVERTENZA	 ADVERTENCIA
DO NOT INSTALL OR PERFORM ANY SERVICE ON THIS EQUIPMENT BEFORE THE AREA HAS BEEN VERIFIED AS NON-HAZARDOUS BY PERSONNEL AUTHORIZED TO DO SO BY THE RESPONSIBLE CUSTOMER.	NE PAS INSTALLER OU EXECUTER AUCUNE MAINTENANCE SUR CET EQUIPEMENT TANT QUE LA ZONE N'A PAS ÉTÉ ATTESTÉE COMME NON DANGEREUSE PAR UN PERSONNEL ABILITÉ PAR LE CLIENT	KEINE INSTALLATIONS- ODER WARTUNGSARBEITEN DURCHFÜHREN, BEVOR DER ARBEITSBEREICH VOM VERANTWÖRTLICHEN KUNDENPERSONAL ALS SICHER EINGESTUFT WURDE.	NON INSTALLARE OD EFFETTUARE ALCUNA ASSISTENZA SU QUESTO STRUMENTO PRIMA CHE L'AREA SIA STATA VERIFICATA COME NON-PERICOLOSA DA PERSONALE AUTORIZZATO A FARE QUESTO SU RESPONSABILITÀ DEL CLIENTE	TODOS LOS EQUIPOS DEBEN SER INSTALADOS DE ACUERDO CON LAS INSTRUCCIONES DE INSTALACIÓN DETALLADAS EN ESTE MANUAL. EL NO SEGUIR LAS INSTRUCCIONES PUEDE PERJUDICAR LA SEGURIDAD INTRÍNSECA DE LA UNIDAD Y ANULAR LA APROBACIÓN DE LA BÁSCULA POR LA COMPAÑÍA DE SEGUROS DE LA FÁBRICA.



NOTICE	AVIS	HINWEIS	AVVISO	AVISO
OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.	SOYEZ PRUDENT LORSQUE VOUS MANIPULEZ DES APPAREILS SENSIBLES À L'ÉLECTROSTATIQUE.	BEACHTEN SIE DIE ENTSPRECHENDEN VORSICHTSMASSNAHMEN BEIM UMGANG MIT GERÄTEN, DIE EMPFINDLICH AUF ELEKTROSTATIK REAGIEREN.	OSSERVARE LE PRECAUZIONI NECESSARIE QUANDO SI MANEGGIANO DISPOSITIVI SENSIBILI ALLA SCARICA ELETTROSTATICA.	OBSERVE LAS MEDIDAS DE PRECAUCIÓN PERTINENTES AL MANEJAR DISPOSITIVOS SENSIBLES A LA ELECTRICIDAD ESTÁTICA.