

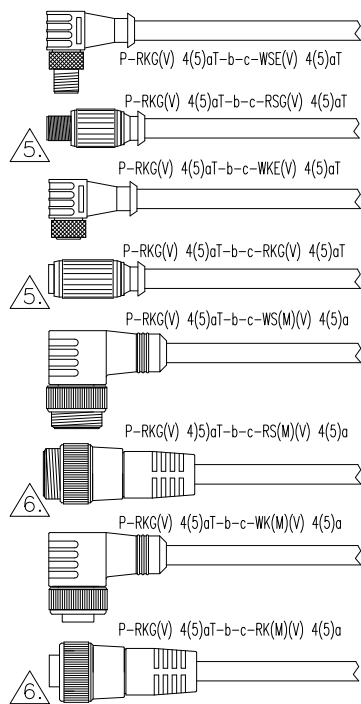
FM Approved Dual Valve Sensors

Inductive Proximity Sensors for Installation in Class I, Division 2



NON-HAZARDOUS LOCATION

HAZARDOUS (CLASSIFIED) LOCATION Class I, Division 2, Groups A,B,C,D



P-RKG(V) 4aT-b-c

Connected devices must supply the voltage specified in Table 1 on Sheet 2

P-RKG(V) 4(5)aT-b-c

Connected devices must supply the voltage specified in Table 1 on Sheet 2

P-RKM(V) 4(6)a-b-c

Connected devices must supply the voltage specified in Table 1 on Sheet 2

P-RKM(V) 5(6)a-b-c

Connected devices must supply the voltage specified in Table 1 on Sheet 2

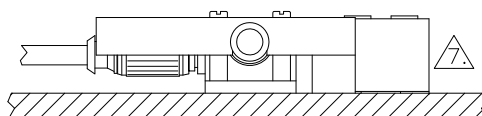
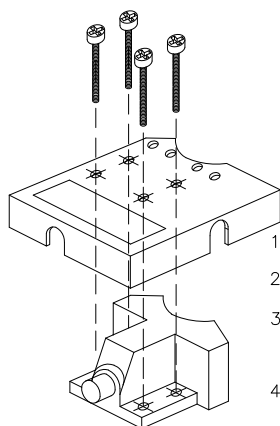
Model Code Key

- a = conductor color code
- b = 3- or 4-digit ITC or PLTC cable code
- c = cable length in meters
- d = Option /S930, /S1717, /S1718, /S1719, /S1727, or blank

GUARD-DSU35..

Mounting Instructions

1. Position sensor in it's desired location.
2. Connect approved Turck cordset(s). Do not apply power.
3. Affix guard plate with screws provided. Ensure that the slots in the plate sides engage the connector body as shown.
4. Apply power. Do not remove the guard plate when the circuit is live.



GUARD-DSU35 Mounting Detail

3 GUARD-DSU35 guard

Ni 4-DSU35-2AP4X2-H1141d
Ni 4-DSU35-2AN4X2-H1141d

Ni 4-DSU35-2ASIX4-H1140d
Ni 4-DSU35-2ASI2X4-H1140d
Ni 4-DSU35-2DNETX5-H1150d

3 GUARD-DSU35 guard

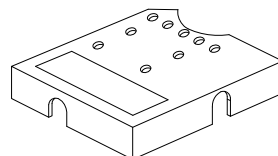
Equipment FM approved for Class I, Division 2 locations. Entry into the enclosure must be made via fittings approved for Class I, Division 2, or via FM approved Turck cordsets, receptacles, and lokfast guards.

P-RKG(V) 4(5)aT-b-c-RSG(V) 4(5)aT with lokfast guard LOCK-EURO-G, or P-RK(M)(V) 4(5)a-b-c-RSG(V) 4(5)aT with lokfast guard LOCK-MINI

Ni 4-DSU35-2AP4X2-B1160-FKE4.5d
Ni 4-DSU35-2ADZ35X2-B1160-FKE4.5d
Ni 4-DSU35-2ASI2X4-B1140-FKE4.3d

3 GUARD-DSU35 guard

Ni 4-DSU35-2ADZ35X2-B1151d



Kit #: GUARD-DSU35

Option: /S1717

Used with:
Ni 4-DSU35-2ASIX4
Ni 4-DSU35-2ASI2X4
Ni 4-DSU35-2DNETX5

Kit #: GUARD-DSU35-DCS

Option: /S1727

Used with:
Ni 4-DSU35-2AP4X2-B1160-FKE4.5
Ni 4-DSU35-2ADZ35X2-B1160-FKE4.5

Kit #: GUARD-DSU35-DC

Option: /S1718

Used with:
Ni 4-DSU35-2AP4X2-H1140
Ni 4-DSU35-2AP4X2
Ni 4-DSU35-2AN4X2
Ni 4-DSU35-2ADZ35X2

Kit #: GUARD-DSU35-AD

Option: /S1719

Used with:
Ni 4-DSU35-2ADZ35X2-B1151

Drawing No.:

NI-1.002

TURCK

3000 Campus Drive
Plymouth, MN 55441
Phone: (763) 553-7300

Title: Control Drawing for Dual Valve Sensors for Installation in Class I, Division 2 Hazardous Locations

Scale: NONE

Sheet 1 of 2

D	Add Ni 4-DSU35-2ASI2X4	BVL		10/29/14
C	Add Ni 4-DSU35-2ADZ35X2-B1160-FKE4.5, correct conn. code	BVL		8/22/11
Rev	Description	Drft	Chk	Date

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NON-HAZARDOUS LOCATION

HAZARDOUS (CLASSIFIED) LOCATION

Class I, Division 2, Groups A,B,C,D

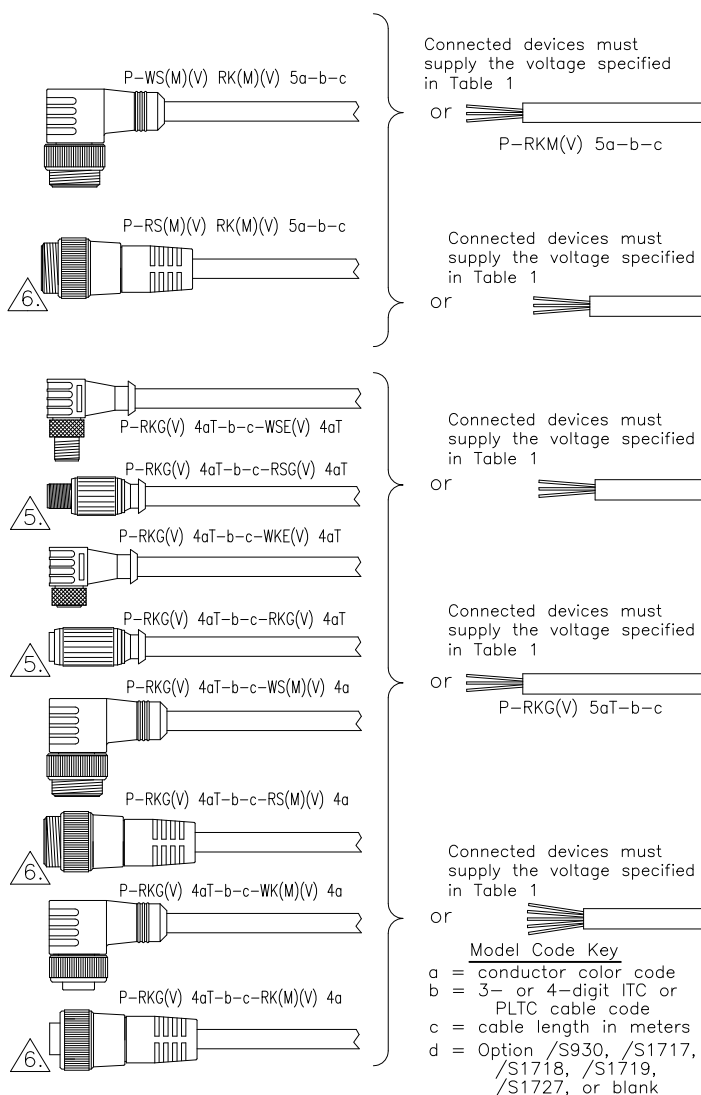
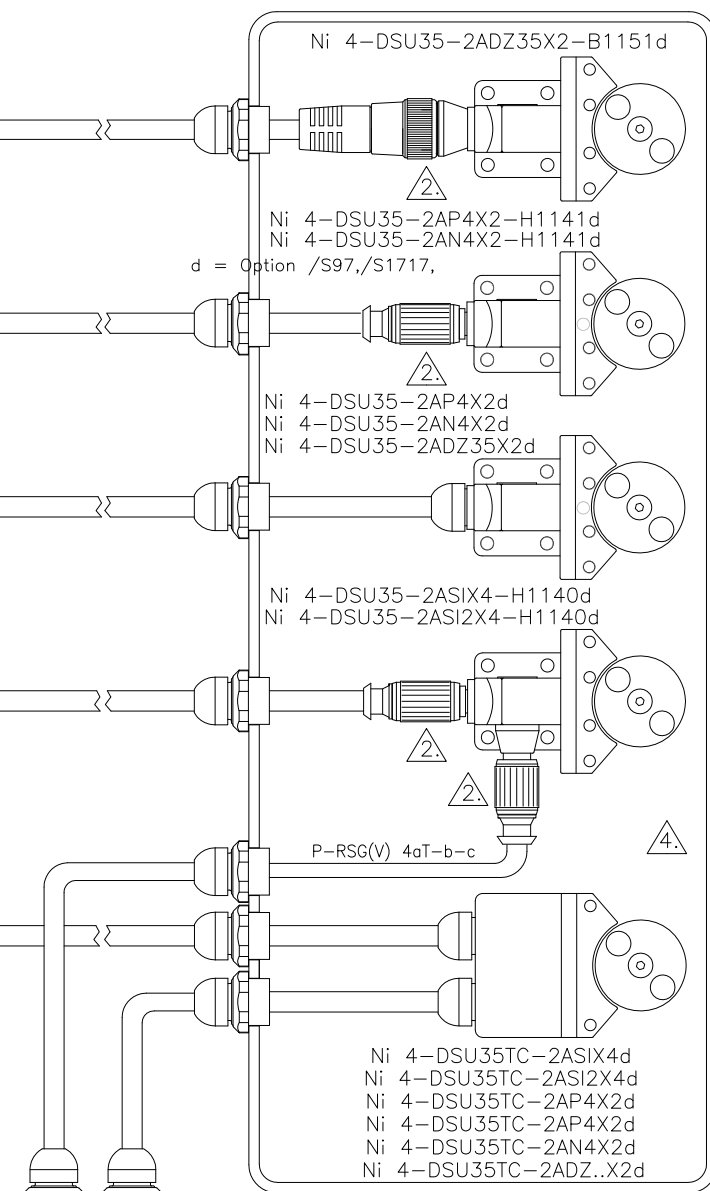


Table 1: Rated Supply Voltage

Sensor Model	Rated Supply Voltage
Ni 4-DSU35...-2ADZ35X2....	20-150 VUC
Ni 4-DSU35...-2AN4X2-...	10-65 VDC
Ni 4-DSU35...-2AP4X2-...	10-65 VDC
Ni 4-DSU35...-2ASIX4-...	18-33 VDC
Ni 4-DSU35...-2DNETX5-...	11-25 VDC



Equipment FM approved for Class I, Division 2 locations. Entry into the enclosure must be made via fittings approved for Class I, Division 2, or via FM approved Turck cordsets, FM approved Turck cordsets, receptacles, and lokfast guards.

Notes:

- Wiring methods must be in accordance with Class I, Division 2 wiring practices per the National Electrical Code (NEC), ANSI/NFPA 70.
- Ni 4-DSU35-...-H1140 and Ni 4-DSU35-...-B1151 sensors must be connected using FM-approved Turck cordsets as shown. The cordsets FM approved for installation in Class I, Division 2 when installed per Turck control drawing QCF-00147, available at www.turck.com/fmcd.
- GUARD-DSU35.. guards must be in place as shown on Sheet 1 when the circuit is energized. To obtain sensors with GUARD-DSU.. guard and hardware kits, add the option code to the end of the model number. To obtain the guard and hardware kit separately, order GUARD-DSU35, GUARD-DSU-DC, or GUARD-DSU35-AC appropriate to the sensor.
- Ni 4-DSU35-... sensors may be installed without GUARD-DSU35.. guards if installed in a suitable equipment enclosure in accordance with ANSI/ISA S82.01 and S82.03.
- Straight eurofast and minifast connectors may be terminated in the hazardous location when used with approved Turck receptacles and LOCK-EURO-G lokfast guards.
- Straight minifast connectors shown may be terminated in the hazardous location when used with approved Turck receptacles and LOCK-MINI lokfast guards.
- Sensors not mounted in enclosures must be used with BTS-DSU35-... target pucks.

D	Add Ni 4-DSU35-2ASI2X4	BVL		10/29/14	Drawing No.: NI-1.002	
Rev	Description	Drft	Chk	Date	Scale: NONE	Sheet 2 of 2