

E-mail: comsales@ottoexcellence.comInternet: www.ottoexcellence.comPhone: 847-428-7171 • Fax: 847-551-1343
10 West Main Street • Carpentersville, IL 60110**OTTO®**

Information on Disposal of Old Electrical and Electronic Equipment (applicable for EU countries that have adopted separate waste collection systems)

Products with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment should be recycled at a facility capable of handling these items and their waste byproducts. Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.



Model	Li (mH)	CI (uF)	Gas Rating
V4-10018-S	0.4	0.01	IIC
V4-10019-S	0.4	0.01	IIC
V4-10080-S	0.4	0.01	IIC
V4-10081-S	0.4	0.01	IIC
V4-10145-S	0.4	0.01	IIC
V4-10150-S	0.4	1.00	IIC
V4-10316-S	0.4	1.00	IIC
V4-10317-S	0.4	1.00	IIC
V4-10391-S	0.4	0.01	IIC
V4-10392-S	0.4	0.01	IIC
V4-10430-S	0.4	0.01	IIC
V4-10431-S	0.4	0.01	IIC
V4-10433-S	0.4	1.30	IIB
V4-10434-S	0.4	0.01	IIC
V4-10519-S	0.4	0.01	IIC
V4-10523-S	0.4	0.01	IIC
V4-10693-S	0.4	0.01	IIC
V4-10694-S	0.4	0.01	IIC

Table 2 Headsets

Radio Device for Use in Hazardous Locations
For IIB Gas rating: Class I, II, III, Div 1;
Groups C, D, F, G T4

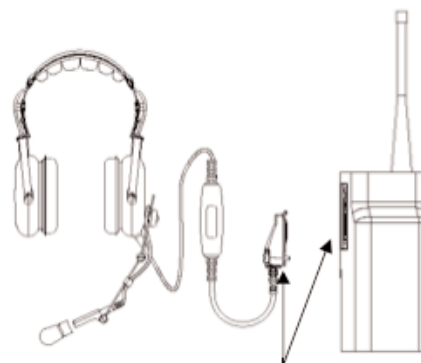
$$U_i \text{ or } V_{MAX} = 9.6V$$

$$P_i \text{ or } P_{MAX} = 1.3 \text{ W}$$

$$L_i = \text{See Table 2}$$

$$I_i \text{ or } I_{MAX} = 0.24 \text{ A}$$

$$C_i = \text{See Table 2}$$



Accessory connector is attached to radio accessory jack which can be located on the side, top or bottom of a radio model. See OEM radio instruction booklet.

CE 0539 II 2 G

Ex ia (see Table 2 Gas Rating) T4
DEMKO 09 ATEX 0907434X

$$-40C < T_A < +40$$

Ex ia (see Table 2 Gas Rating) T4
IECE_X UL 09.0022X

Over-the-Head



Lightweight Headset



Behind-the-Head



Intrinsically Safe Installation Instructions For Headsets

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INSTALLATION:

Warning-Intrinsically Safe (IS) when installed in accordance with this manual, substitution of components may impair Intrinsic Safety.

- To prevent ignition of flammable atmospheres-turn the radio off. In addition, installation of the headset while the radio is on may cause the radio to transmit constantly, locking up your radio system. If this should happen, turn off the radio. The radio can then be turned back on, restoring normal operations.
- Remove any dust caps or covers from radio accessory connector.
- Attach headset to the radio accessory connector.
- Tighten mounting thumbscrew or accessory clamps if required.

Notes: Cable length is restricted to that provided with this apparatus. Additional cable between radio and this audio apparatus shall not be provided in field.

This IS audio accessory must be installed in accordance with this manual, NEC (ANSI/NFPA 70, including Article 504.30B) for US installations, Section 18 of the Canadian Electrical Code for Canadian installations and ISA RP12.06.01 for installing intrinsically safe equipment, or other local codes as applicable.

Radio output current must be limited by a resistor such that the output voltage-current plot is a straight line drawn between open-circuit voltage and short-circuit current.

To maintain intrinsic safety, selected radio must be third party certified as providing intrinsically safe circuits for the application, and have Entity parameters as shown in Table 1 and Table 2.

Table 1:

Headset		Radio
V_{max} (or U_i)	\geq	V_{oc} or V_t (or U_o)
I_{max} (or I_i)	\geq	I_{sc} or I_t (or I_o)
P_{max} (or P_i)	\geq	P_o
C_i	\leq	C_a (or C_o)
L_i	\leq	L_a (or L_o)