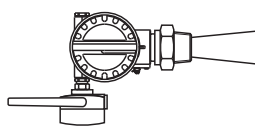


Hazardous location

Class I, Div. 1, Groups A, B, C, D
 Class II, Div. 1, Groups E, F, G; Class III
 Class I, Zone 1, Group IIC

Compact version



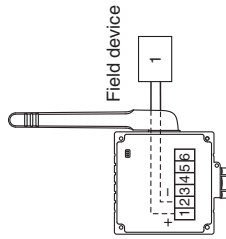
Remote version



Adapter active (4...20 mA + HART communication):
 Loop-powered field device (compact or remote version)

Entity parameter:

$U_o / V_{oc} = 28 \text{ V DC}$
 $I_o / I_{sc} = 99 \text{ mA}$
 $P_o / P_o = 692 \text{ mW}$
 $C_o = 70 \text{ nF}$
 or
 $L_o = 3.45 \text{ mH}$



Adapter active (Low Power Interface):
 optional feature

Entity parameter for LPI:

$U_o / V_{oc} = 7.8 \text{ V DC}$
 $I_o / I_{sc} = 1.031 \text{ A}$
 $P_o / P_o = 1.22 \text{ W}$
 $C_o = 9.18 \text{ }\mu\text{F}$
 or
 $L_o = 21.51 \text{ }\mu\text{H}$

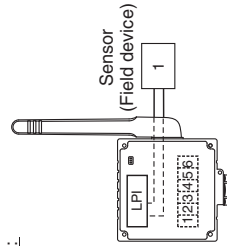


Table:
 Permissible ambient temperature and temperature code:

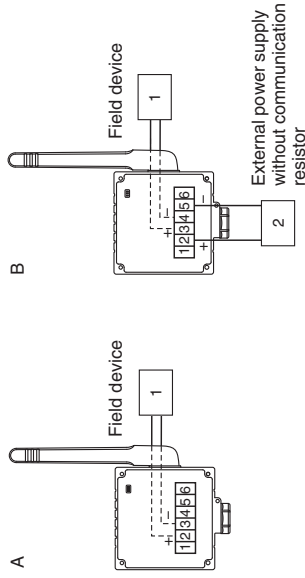
Temperature code	Permissible ambient temperature electronic compartment
T3C	-40 ... +60 °C
T4	-40 ... +50 °C

Adapter passive (4...20 mA + HART communication):

A 4-wire field device (compact or remote version)
 B 2-wire field device with ext. power supply (compact or remote version)

Entity parameter for terminals 1-6:

$U_o / V_{oc} = 30 \text{ V DC}$
 $I_o / I_{sc} = 100 \text{ mA}$
 $P_o / P_o = 751 \text{ mW}$
 $C_o = 24 \text{ nF}$
 or
 $L_o = 426 \text{ }\mu\text{H}$

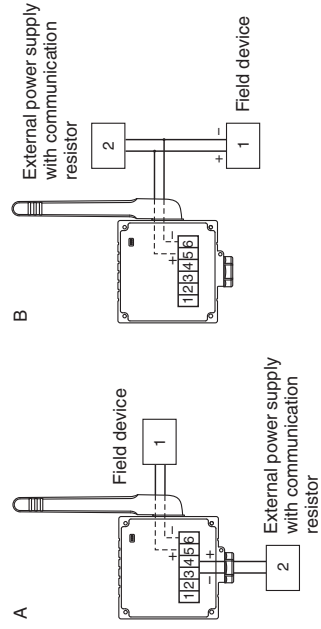


Adapter passive (only HART communication):

A New installation parallel to HART communication (compact version)
 B Installation parallel to HART communication (remote version)

Entity parameter for terminals 1-6:

$U_o / V_{oc} = 30 \text{ V DC}$
 $I_o / I_{sc} = 100 \text{ mA}$
 $P_o / P_o = 751 \text{ mW}$
 $C_o = 24 \text{ nF}$
 or
 $L_o = 426 \text{ }\mu\text{H}$



Intrinsically safe Ex ia for:

CI. I, Div. 1, Groups A, B, C, D and CI. I, Zone 1, Ex ia IIC T4/T3C, AEx ia IIC T4/T3C
 CI. II, Div. 1, Groups E, F, G; CI. III

Hazardous Locations Installation:

1. Installation per Electrical Code of the country in use mandatory.
2. Intrinsically safe and associated equipment connected to the WHA-ADP2* must be CSA certified for the country in use and must have entity parameters that satisfy the following conditions:
 $V_{oc} (U_o) \leq V_{max} (U_i)$, $I_{sc} (I_o) \leq I_{max} (I_i)$, $P_o \leq P_i$,
 $C_a (C_o) \geq C_i + C_{cable}$, $L_a (L_o) \geq L_i + L_{cable}$.
3. **WARNING:** Substitution of components may impair intrinsic safety.
AVERTISSEMENT: La substitution de composants peut compromettre la sécurité intrinsèque.
4. Use supply wires suitable for 5°C above surrounding.
5. Batteries may be changed in a CI. I area known to be hazardous.
 For CI. II and CI. III: **WARNING:** - Explosion hazard - do NOT replace battery unless the area is known to be NON - hazardous.
 Replace only with Pepperl+Fuchs W-BAT-B2-Li battery pack.
6. Battery unit should not be crushed, punctured or otherwise damaged.
 Such abuse may impair the electrical safety.
7. Where this device (WHA-ADP2*) is used to replace an older version (WHA-ADP*) in an existing hazardous location installation, caution must be taken to ensure compatibility of the new IS entity parameters (per IS Control Drawing 116-0435) with existing interconnected devices as these are different from the older versions (ref. previous Control Drawing 116-0371A).

CI. I, Div. 2, Groups A, B, C, D

CI. II and III, Div. 2, Groups F, G (only for NPT conduit entries - not for plastic enclosure F32)

1. Install per the Canadian Electrical Code using threaded metal conduit.
2. Intrinsic safety barrier not required. Max. ambient temperature: 70 °C.
3. **WARNING:** Explosion hazard - Do not disconnect or open equipment when area is known to be hazardous.
AVERTISSEMENT: - Risque d'explosion - Ne pas déconnecter ni ouvrir l'appareil si la zone est explosive.
4. **WARNING:** Substitution of components may impair suitability for CI. I, Div. 2.
AVERTISSEMENT: - La substitution de composants peut rendre ce matériel inacceptable pour les emplacements de CI. I, Div. 2.

CAUTION: Only use the Pepperl+Fuchs battery pack of type W-BAT-B2-Li from serial number: 14/01/xxxxxxx as specified in the Operating Instructions.

ATTENTION: Utiliser exclusivement un bloc-pile Pepperl+Fuchs de type W-BAT-B2-Li mentionné dans le manuel de mise en service à partir du numéro de série : 14/01/xxxxxxx.