

## ■ ADP-DM-AI-02

### 4 channels – Isolated Analog Inputs adapter for V, mV, Tc or RTD

#### Description :

The adapter **ADP-DM-AI-02** allows to connect 4 Analog Inputs (V, mV, Tc or RTD) to an Analog Input card of a Distributed Control System (DCS), or a Programmable Logic Controller (PLC).

The adapter **ADP-DM-AI-02** can be connected to an isolated Analog Input card of a DCS or a PLC using one SUBD 25pin male connector.

The connection to the new AI card is done using a shielded cable, with a SUBD25F connector at one end, and labeled flying wires or a suitable connector matching with the new system AI card used at the other end.

For the Tc input, a compensation cable (depending of the Tc type) is necessary. It is particularly suitable for migration of existing PROVOX™ I/O DM card with reference as follow :

- DM6312 : Analog Input card (1-5V or 0-10V)
- DM6331 : Analog Input card (RTD)
- DM6341 : Analog Input card (mV)
- DM6350 : Analog Input card (Tc)

The main advantages of the adapter **ADP-DM-AI-02** for PROVOX™ migration are as follow :

- Existing wiring is just disconnected and reconnected on the removable front connector of the **ADP-DM-AI-02** after replacement of the existing cable end cap (same terminals with same labelling and same electrical features)
- The existing loop drawings are kept without any modification, allowing all maintenance processes and procedures to remain unchanged.

#### Product options :

- Option **-1** : ADP-DM-AI-02-1 Standard version
- Option **VSH** : Conformal coating (Tropicalization)

#### Technical specifications :

##### Dimensions :

Length : 128.4 mm  
Width : 65.8 mm  
Height : 25 mm

##### Weight :

150 g

##### Temperature range :

Operating : 0°C to 50°C  
Storage : -20°C to 60°C

##### Humidity :

Up to 90% (no condensation)

##### Mounting :

In a rack 19" type: BC11008

##### Channel characteristics :

Four screw terminals per channel

##### Conductors section :

Screw Terminals: 24 to 12AWG  
(0.25 to 2.5mm<sup>2</sup>)

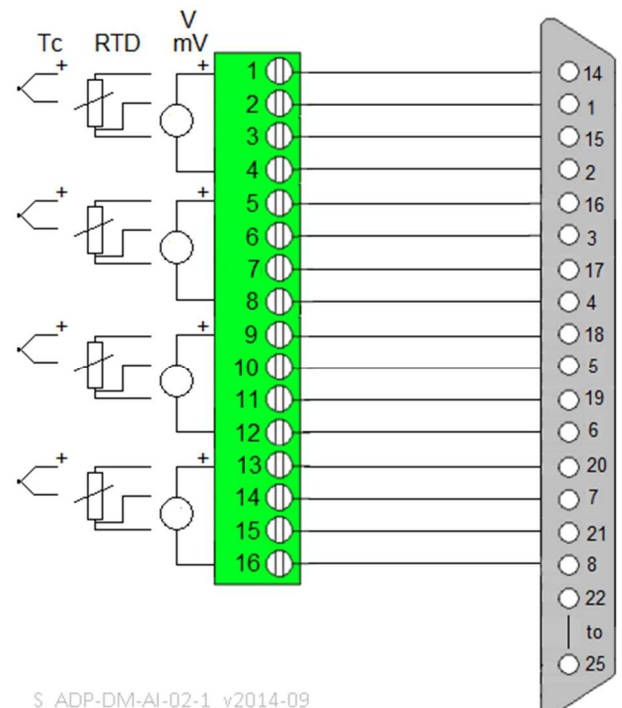
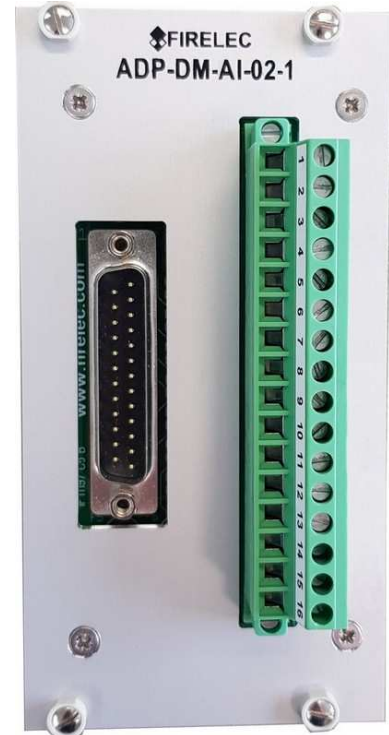
##### Withstanding voltage rating :

250Vac between non connected signals.

#### Connection to the DCS or to the PLC:

##### To one 4-channel isolated AI card :

1 x Sub-D 25 pin male connector with UNC 4-40 female lock.



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