

# IOP-AO-01

## 8 channels - 4-20mA Analog Output termination panel

### Description :

The panel **IOP-AO-01** allows to connect 4-20mA valve controllers to a Distributed Control System (DCS), or a Programmable Logic Controller (PLC).

The panel **IOP-AO-01** can be connected to an 8 channel AO card with a SUBD 25pin male connector.

Each channel is protected by a removable fuse.

It is particularly suitable for migration of existing PROVOX™ I/O panels with reference as follow :

- **CL6871-1** : Analog Output Panel (Simplex)
- **CL6872-1** : Analog Output Panel (Redundant)

The main advantages of the panel **IOP-AO-01** for PROVOX™ migration are as follow :

- Existing wiring is just disconnected from the PROVOX™ panel and reconnected (at the same place) to the **IOP-AO-01** without any change (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** : IOP-AO-01-1 Standard version
- Option **VSH** : Conformal coating (Tropicalization)

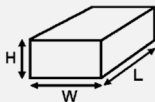
### Technical specifications :

#### Dimensions :

Length: 483 mm (19")

Width : 87,6 mm (2U)

Height : 40 mm



#### Weight :

1,3 Kg

#### Temperature range :

Operating : -10°C to 60°C

Storage : -20°C to 60°C

#### Humidity :

Up to 90% (no condensation)

#### Mounting :

EIA Rail

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

To one 8-channel AO card:

One SUBD 25 pin male connector with UNC 4-40 female lock

Screw Terminals for the shield (SHD) connection

#### Channel characteristics:

Three screw terminals per channel:

**OUT**: output current 4-20mA  
protected by 0,1A 5x20 removable fuse

**COM**: Common return

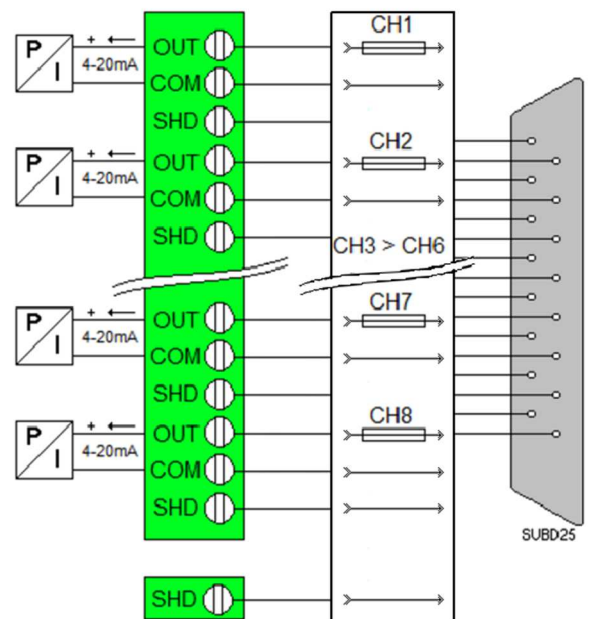
**SHD**: SHIELD

#### Conductors section:

Screw Terminals: 24 to 12AWG  
(0.25 to 2.5mm²)

#### Withstanding voltage rating:

250Vac between non connected signal.



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