

QUICK START GUIDE

1] PRODUCT PRESENTATION

The CDV-DBC4A1 distributor has 4 outputs or inputs for 2EASY 2-Wire Video Entry systems and features an isolation protection function.

- Provides an extension for up to 4 monitors or 4 door stations.
- Separate isolation protection without affecting other devices on the Bus system.
- Short-circuit indication for convenient maintenance.
- Periodic self-detection mechanism for recovery.

Feature	Description
Power Supply	20-30Vdc
Wiring	2 wires (no polarity)
Dimensions	89(H)×71(W)×45(D) mm



WEEE & RoHS



CE Certification



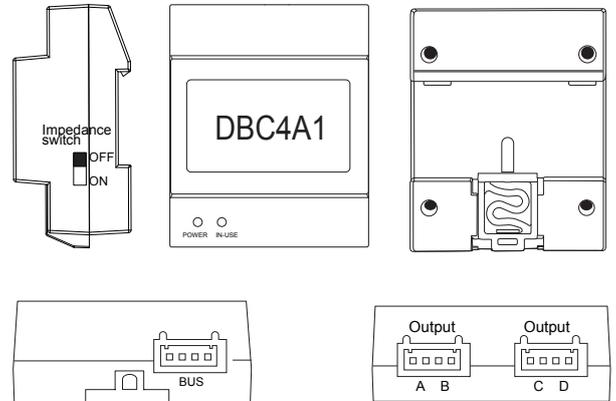
-10°C to +40°C



UKCA Certification



2] PARTS AND FUNCTIONS



- **IN-USE:** Status indicator - Illuminates when there's signal.
- **POWER:** Operating indicator - Illuminates when power is ON.
- **Impedance Switch:** Video match switch - The last CDV-DBC4A1 at the end of the Bus must be set to ON to match the video impedance. The power indicator turns to orange after setting.
- **Bus:** Input Bus connection port.
- **A, B, C, D:** Output port - Connects to indoor monitors or door stations. The maximum distance from a CDV-DBC4A1 output port to either a monitor or door panel is 40m using the specified cable.

NOTES

Operation mode: Protection mode activates once the connected devices are short circuited and the power supply for A, B, C, D outputs turned off. The flashing IN-USE signal shows the CDV-DBC4A1 is in 'protection mode'.

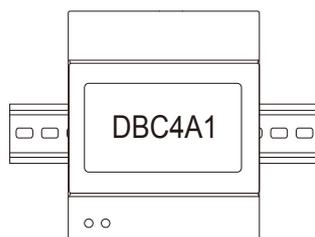
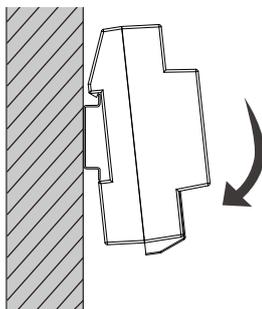
Self-detection: The system auto checks whether the short-circuit is fixed or not. The system then recovers the power supply and the IN-USE signal turns off.

Detection period: Self-detection happens regularly. The IN-USE signal flashes rapidly three times during the process:

- 1st detection: 10 seconds after short circuit
- 2nd detection: 60 seconds after 1st detection
- 3rd detection: 5 minutes after 2nd detection
- 4th detection: 10 minutes after 3rd detection
- Thereafter: detection occurs every 30 min.

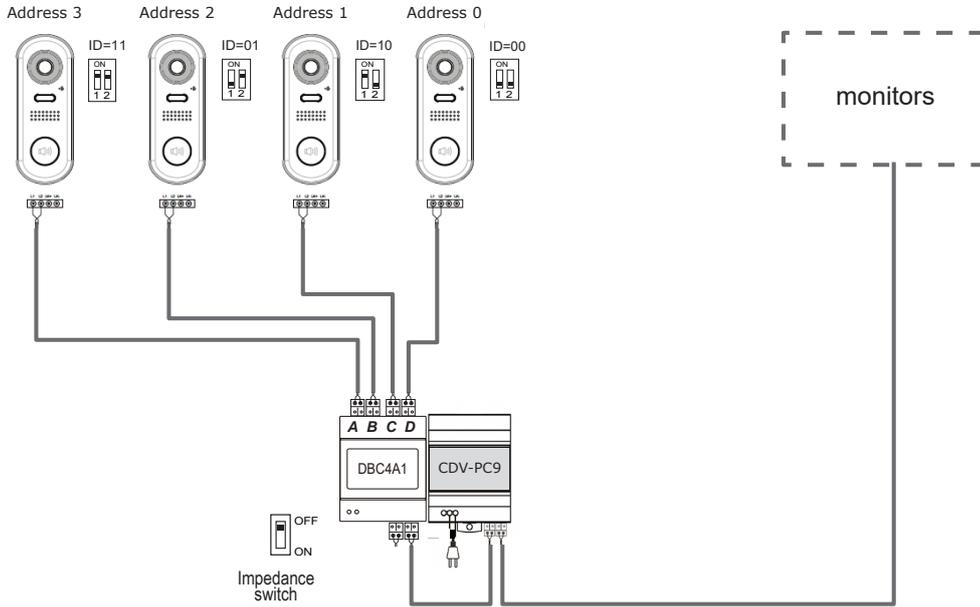
3] MOUNTING

- Fix the DIN Rail onto the wall.
- Clip on the CDV-DBC4A1.



4] SYSTEM WIRING

Multiple Door Stations Installation



The **maximum distance** between a CDV-DBC4A1 and a monitor:

Cable Type	Max Distance
Belden 9740	30m
Belden 8471	40m
Cat5e/6	30m

Multiple Monitors Installation

