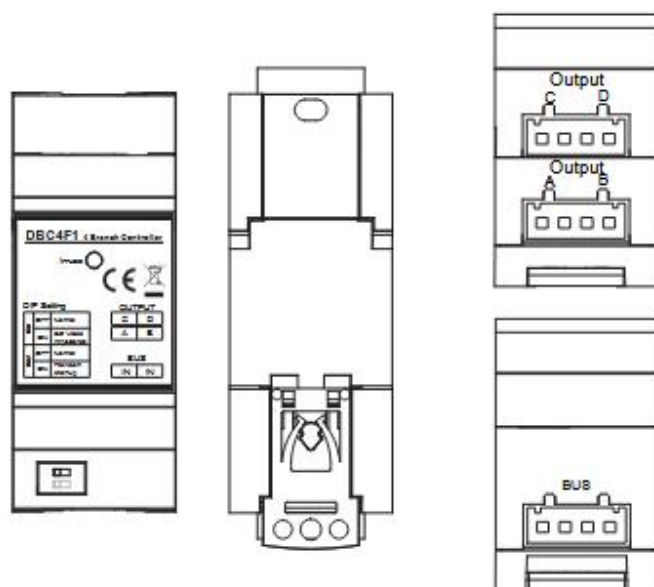


MANUAL for FODBC4F1

Description: FODBC4F1 video distributor with 4 branches and isolation protection function.

- Can be used as 4 inputs (outdoor stations) controller or 4 outputs (indoor stations) controller;
- Separate isolation protection without affecting another devices on bus system;
- Short-circuit indication for convenient maintenance;
- Periodic self-detection mechanism for recovery.

1. Parts and Functions



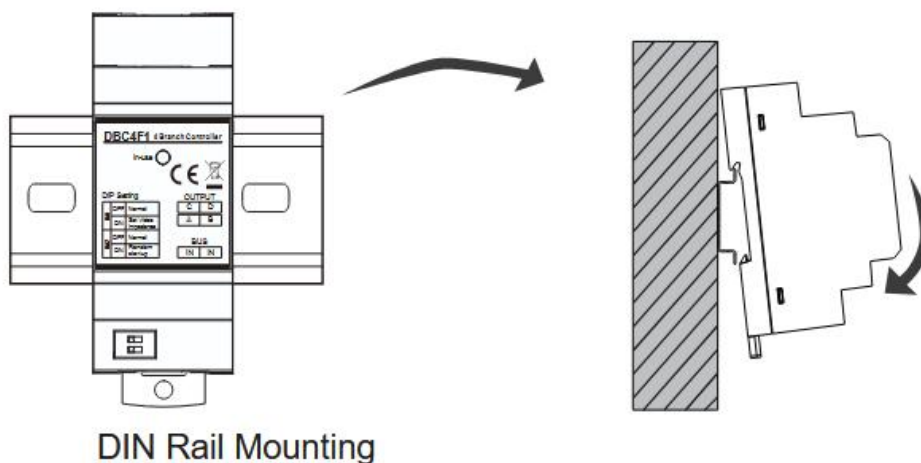
Label	Description
IN-USE	Status indicator, it will light up when receives signal.
*DIP Switch DIP 1	Video match switch. The last DBC4F1 at the end of the bus should set ON to match the video impedance.
*DIP Switch DIP 2	Random power. If during power up the power supply goes into short protection due to the surge current, set it to ON to sperate the power on.
Bus	Input port, bus connection port.
A, B, C, D	Output port, connect to indoor monitors or door stations.

Note:

- **Operation mode:** Protection mode will be activated once its connected devices are short circuited, and power supply for ABCD outputs will be turn off, the flashing in-use indicator shows the distributor is in the protection mode.
- **Self-detection:** System will auto check whether the short circuit is fixed or not, then recover the power supply, and in-user indication will be turn off.
- **Detection period:** Self-detection will be happened regularly according rules, and in-use indicator will flash rapidly three times when check happens.
 - o 1st detection will be happened in **10 seconds** after short circuit;
 - o 2nd detection will be happened in **60 seconds** after 1st detection;
 - o 3rd detection will be happened in **5 minutes** after 2nd detection;
 - o 4th detection will be happened in **10 minutes** after 3rd detection;
 - o 5th hereafter detection will be happened **every 30 minutes**.

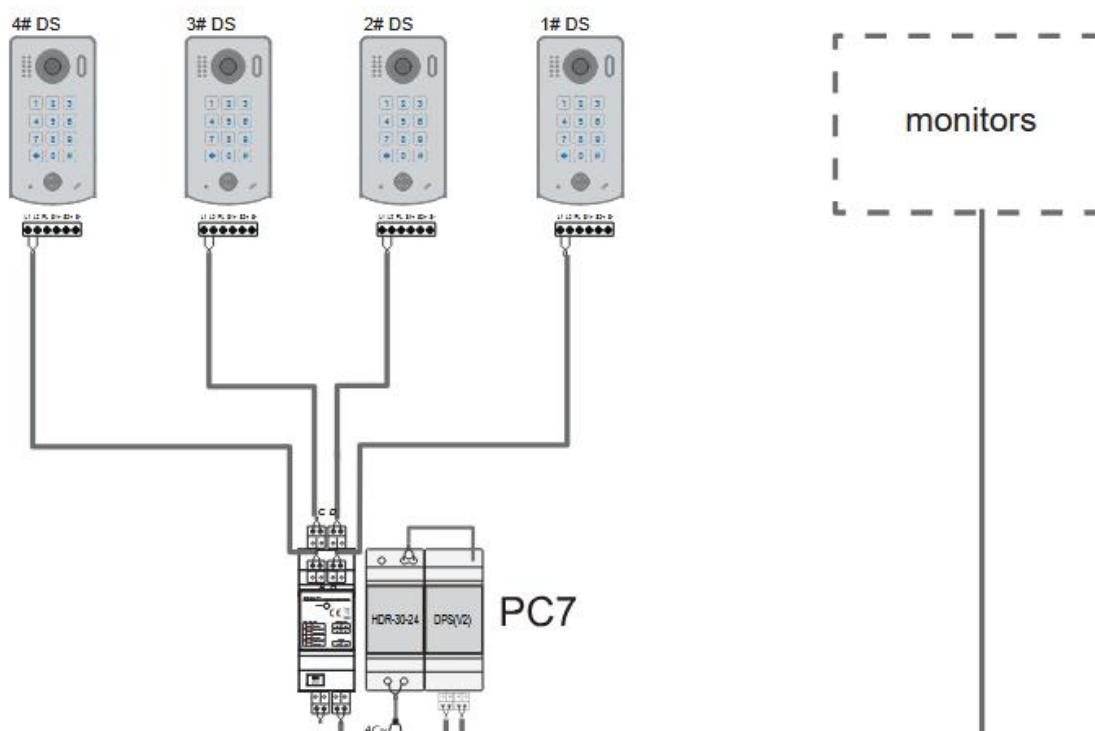
2. Unit Mounting

DIN Rail Mounting



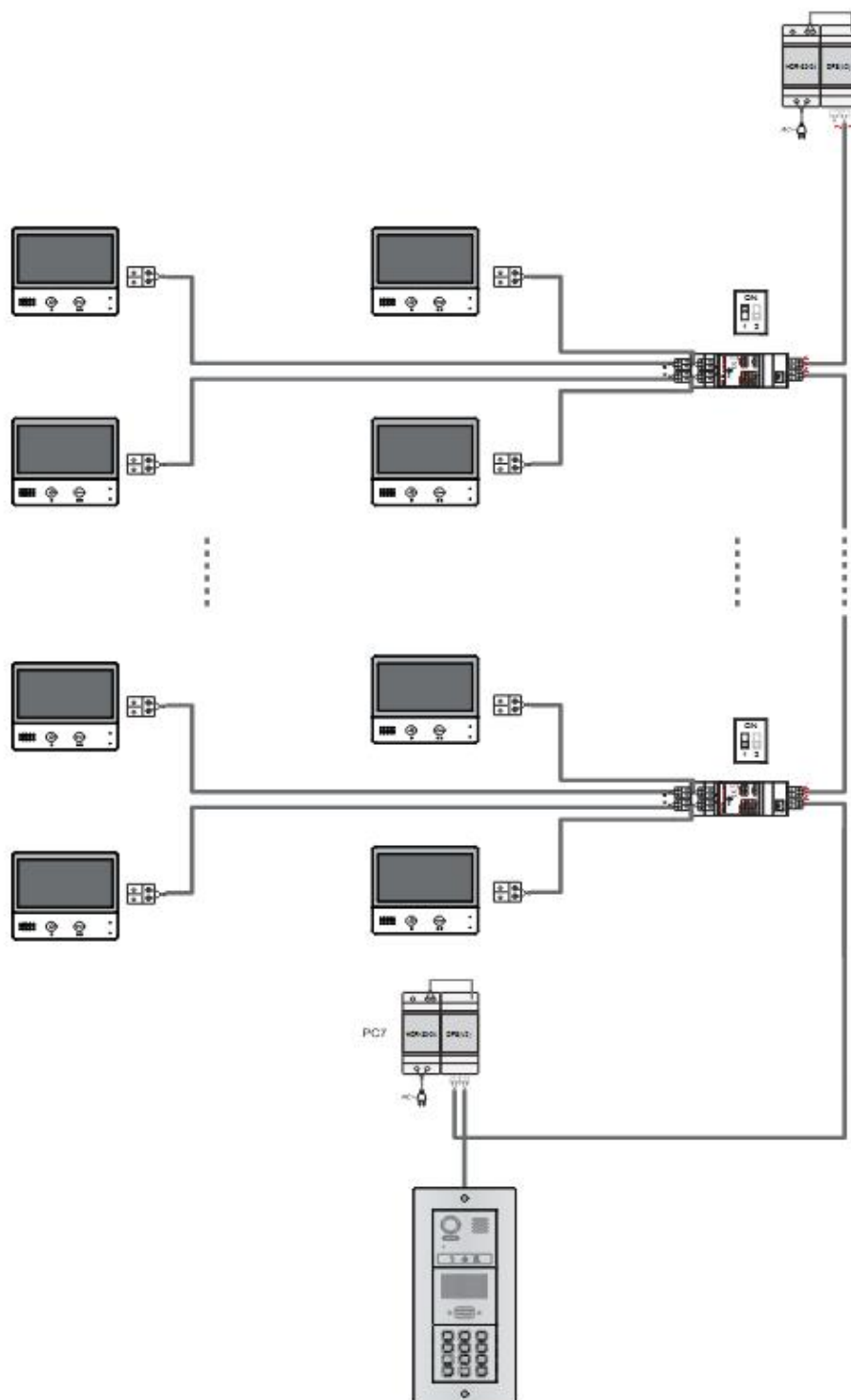
3. System Wiring with DBC4F1

Multi Door Station Wiring:



Note: DBC4F1 applies to all door station and monitor, the diagram uses DT591 as an example.

Multi Monitors Wiring:



5. Specification

Parameter	Value
Power Supply	DC20~30V
Working Temperature	-10°C~+40°C
Wiring	2 wires (non-polarity)
Dimension	89(H)x71(W)x45(D)mm