

# HSA-OSDP-DB

## KS210 OSDP Distribution Box

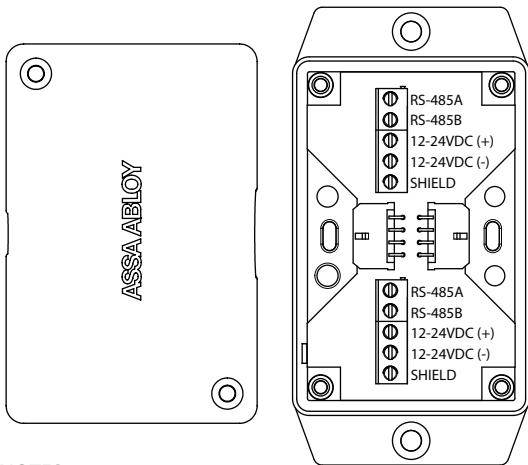


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### Installation Instructions

#### Product Components



#### NOTES:

- All connections are pass through.
- There is no need to terminate the lower output since the EOL termination is done on either the left or right KS210.
- DO NOT terminate shield at both ends of the wire run, chose only one location to terminate, either the panel or the distribution box, but not both.
- CBL6-QC4 and CBL12-QC4 are sold separately.

#### Installing the HSA-OSDP-DB

- The OSDP distribution box is intended to be used with the KS210 4-Wire system to make installation quick and easy.
- The diagram (on the reverse side) shows the recommended installation for wiring.
- The screw down terminals are to be used for incoming (from controller) and outgoing (next device) power and data while the (2) molex connectors are to be used for the locking hardware.
- Keep in mind when using the 12VDC bus power that your wiring distances will be limited. Please reference chart below.



**NOTE** Installation wiring for the product and wiring methods shall be in accordance with the National Electrical Code, ANSI/NFPA 70.

#### OSDP 4-Wire Cable Distances and VDC Compatibility

It is recommended to install no more than (4) KS210's per RS-485 port. This chart lists the recommended maximum distances as tested.

Distance (ft.)	100	150	200	500	100	250	500	1000
AWG	18	18	18	18	22	22	22	22
VDC 1.5A	12	24	12	24	12	24	12	24
Number of Locks	1	•	•	•	•	•	•	•
	2	•	•	•	•	•	•	•
	3	•	•	•	•	•	•	•
	4	•	•	•	•	•	•	•
	5	•	•	•	•	•	•	•
	6	•	•	•	•	•	•	•
	7	•	•	•	•	•	•	•
	8	•	•	•	•	•	•	•

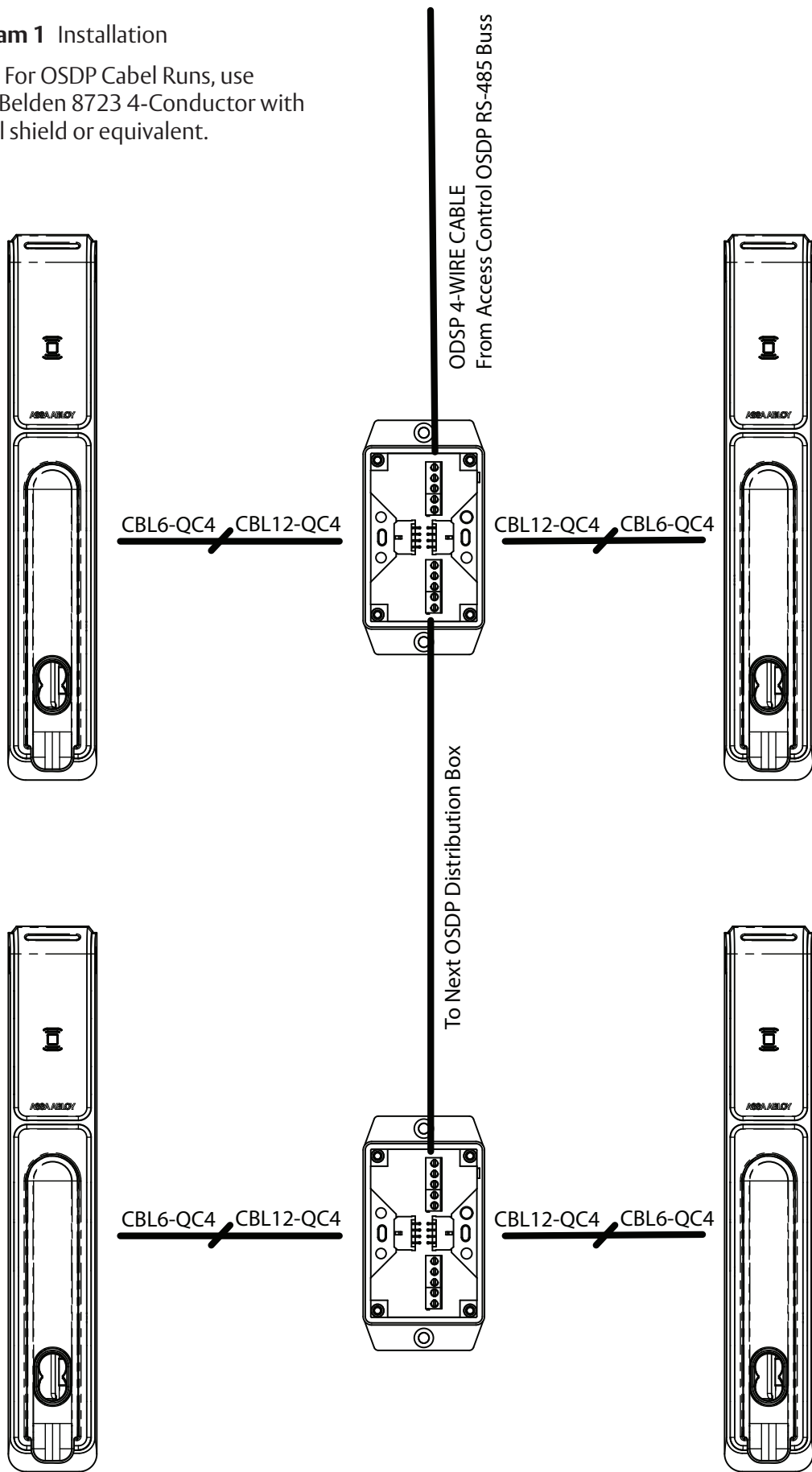
The 4-Wire OSDP multi-drop control is ONLY compatible with OEM Access Control partners that have integrated this configuration.

**12 VDC:** This assumes you are utilizing the 12 VDC power source from the RS-485 port from the Access Control panel.

**24 VDC:** This assumes you are utilizing a dedicated 24 VDC power source and not from the RS-485 port of the connected controller which only provides 12 VDC/1.5A.

### Diagram 1 Installation

NOTE: For OSDP Cabel Runs, use ONLY Belden 8723 4-Conductor with overall shield or equivalent.



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