Code: ORS-22

RS-485 SPLITTER WITH OPTOISOLATION **ORS-22**

Net: 57.05 EUR Gross: 57.05 EUR

The ORS-22 allows to connect RS-485 signal from two different transmitters (eg DVR, control keyboard, PC) and control two separate RS-485 buses connected to the receivers (CCTV cameras). Device enables optical isolation among output buses and among output buses and input of the RS-485 signal. The basic application of the ORS-22 is protection of the CCTV system against damage due to any overvoltages existence on devices connected to the RS-485 bus (for example as result of lightning).
Device also allows to split a single RS-485 channel to 2 channels, that makes possible to use the star topology. This allows to connect each camera using the RS-485 cable up to 1200m length. So, the device helps arrange the CCTV system wiring and increases the maximal distances of the RS-485 signal transmission.



SPECIFICATION

Input:	RS-485
Number of inputs:	2 pcs
Output:	RS-485
Number of outputs:	2 pcs
Transmission range:	1200 m / Input 1200 m / Output
Optoisolation:	1000 V RS-485
Communication:	Simplex
Baud rates:	2400 ... 115200 bps
Main features:	• optical isolation between each of the RS-485 outputs • optical isolation between RS-485 outputs and input • increase the maximal distance for RS-485 transmission • enable to use the star topology instead of standard bus topology • protection against lightning discharges and voltage differences and strokes between devices
Power supply:	12 V DC / 0.15 A (power adapter not included)
Weight:	0.11 kg
Dimensions:	118 x 58 x 30 mm
Manufacturer / Brand:	DELTA
Guarantee:	**3 years**

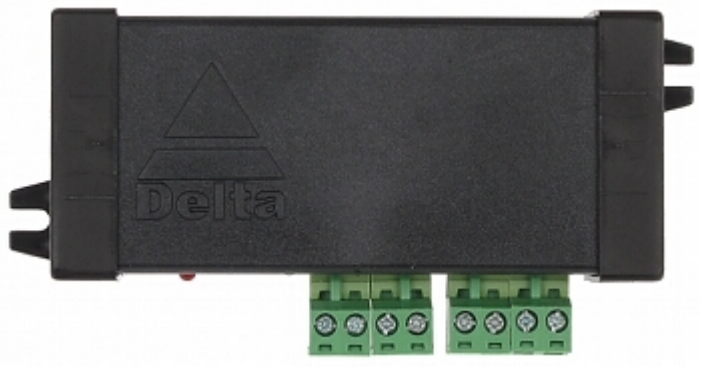
PRESENTATION

Front panel with terminals:

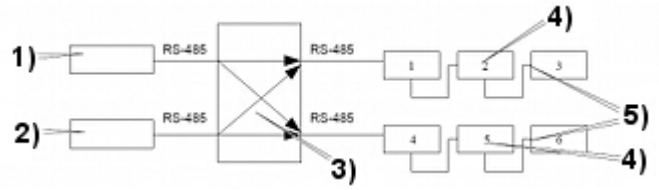
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Top view:



Schematic diagram of example installation:



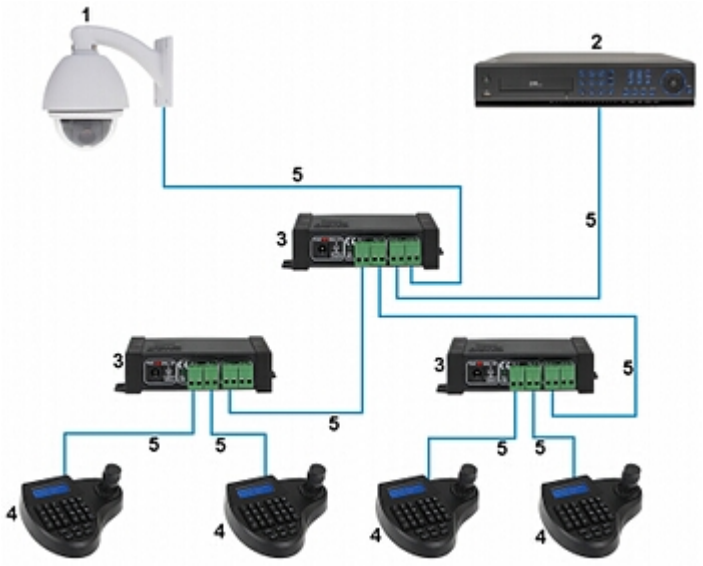
1. Control keyboard
2. Control keyboard
3. ORS-22
4. Cameras
5. 120 Ohm terminators

Examples of connection diagrams:



1. Camera
2. Recorder
3. ORS-22
4. Control keyboard
5. RS-485

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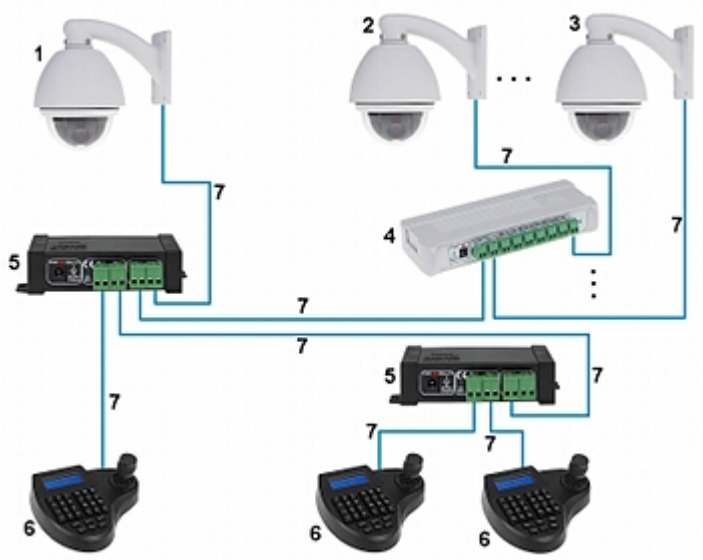


1. Camera
2. Recorder
3. ORS-22
4. Control keyboard
5. RS-485



1. Camera
2. ORS-22
3. Control keyboard
4. RS-485

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Example of control of 9 cameras from 3 different keyboard panels in the same time.

1. Camera 1
2. Camera 2
3. Camera 9
4. ORS-8
5. ORS-22
6. Control keyboard
7. RS-485

PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg