

Product Sheet

Dual twisted pair Transmitter ZDS07W

Weatherproof

Article Number: 501203 ZDS07W (2 Channel Enhancement)
 500471 ZDS07W2 (2 Video ZW Transmitter)
 500472 ZDS94W4 (4 Video ZW Transmitter)



Short description:

- Transmitter potential-free due to transformer coupling
- ZDS07 dual version
- 3 kV electrical strength
- Overvoltage protection
- Triple impedance switching
- Black control
- "No video signal" display
- Test port
- Video-GND/ground wire separately
- Net filter

Specification

Standard:	CCIR 625Z/50Hz Pal
Video inputs:	4 clamps
Video input level / impedance	1 Vss 75 Ω
Video output level / impedance	1 Vss 75 Ω
Twisted pair output:	1.5 Vss at 120 Ω
Pre-equalisation:	6 dB / 12 dB
Bandwidth:	5 MHz
Diff. Phase:	< 0.6°
Diff. Gain:	< 0.6 %
Signal/noise ratio:	> 64 dB rms rated
Linearity fault:	< 0.3 %
K-2T:	< 1.2 %KF
Clamp fault:	< 0.1 %
Droop:	< 1 %
Operational voltage:	230 V AC
Protection class:	1 according to VDE 0804
Operation temperature:	-20 °C to 50 °C
Humidity:	90 % non-condensing
Dimensions: AL casing (W x H x D):	260 mm x 260 mm x 100 mm
Weight: AL casing:	about 2.5 kg



Product Sheet

Dual twisted pair Transmitter ZDS07W Weatherproof

Meets the following CE-Standards:

Emitted interference	EN 55022
Burst	EN 610004-4
ESD	EN 610004-2
Surge	EN 610004-5
Net interrupt	EN 610004-11
Interference resistance	EN 610004-6
Interference resistance	EN 610004-3

Description of functions

With the system ZDS07W/VTZ05DW it is possible to bypass 1500m and 2800m respectively with a symmetric twisted pair line, e.g. (A-2Y(L)2Y4x2x0.8).

Due to system equalisation of up to 40 dB and 60 dB respectively at 5 MHz, droop, active black-level clamping, low pass filter, synchronous pulse control and Sync-Burst-Regeneration, a proper transfer of images is achieved.

Cable attenuation equalisation is provided by Sync-Level-Control.

On the emission side (ZDS07W), a 6 dB/12 dB increase can be adjusted at 5 MHz. Thus a higher signal/noise ratio can be achieved.

The transmission end levels are electrically isolated from the transmission line by transmitters.

Thus a high electrical strength is achieved.

The ZDS07W2 (article number 500471) transmitter is a two-channel component assembly supplied in a weatherproof casing.

The ZDS07W4 (article number 500472) transmitter is a four-channel component assembly supplied in a weatherproof casing.

The ZDS07W (article number 501203) component assembly is a two-channel component assembly for enhancement supplied in the weatherproof casing of ZDS07W2 on ZDS07W4.

All information provided in this product sheet refers to the current conditions and may be subject to change.