

Intelligent active antenna IAA II HT DCF

Order number: FZD 04030

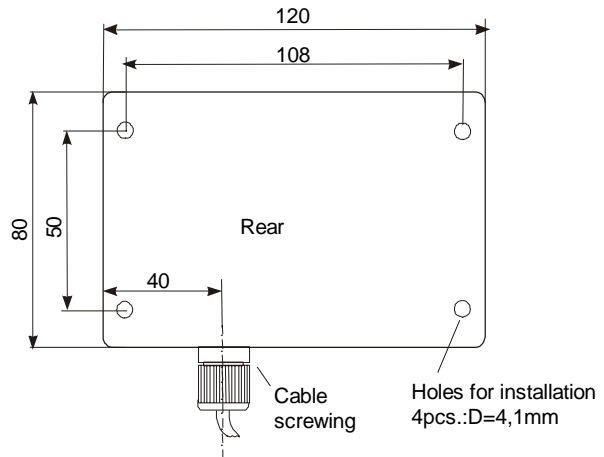
The intelligent active antenna receives the amplitude modulated signals of the time code sender. The signals are decoded and processed by a microcontroller. The received time protocols can be output as a demodulated original signal, as a generated checked signal, or as a generated RS232 time information. The output signal is available as a voltage (3-wire system) or a current loop (2-wire system) one. The type of the output signal and its level are selected with a 4-pole DIL switch.

The device is able to evaluate and display the radio reception quality (s. embedded LED array) so that an optimal alignment of the antenna can be performed when installing the device.

Dimensions:



Plastic housing IP65 with MBF12 cable screwing



Technical characteristics:

Parameters	Symbol	min	typ	max	Unit
Operating temperature range *	T	-25		70	°C
Power supply	U_B	5		30	V
Power consumption	I_{cc}	5		30	V
Reception sensitivity **	E	10	30	50	$\mu V/m$
Output current	I_{OUT}			20	mA

* Operating temperature range of the models

** Reception sensitivity of the models

Model:

Model (IAA II xxx)	Input signal	Note
IAA II HT DCF	DCF77 ; 77,5kHz	Extended temperature range -25°C - +70°C Enhanced sensitivity 10 - 30 $\mu V/m$